# CONSTRUCTION NEWS

## PROPOSALS

**For proposals Advertised see the pages immediately following the "Construction News" Section.**

### WATERWORKS

| Bids Close | | See Eng. News-Record |
|---|---|---|
| Sept. 19 | Boonton, N. J. | Sept. 15 |
| | Adv. Sept. 15. | |
| Sept. 19 | Long Island City, N. Y. | Sept. 15 |
| Sept. 19 | St. George, S. I., N. Y. | Sept. 15 |
| Sept. 20 | Springfield, Ill. | Sept. 15 |
| Sept. 23 | Forest, O. | Sept. 15 |
| Oct. 7 | Collinsville, Ill. | Sept. 1 |
| | Adv. Sept. 1 to 15. | |

### SEWERS

| | | |
|---|---|---|
| Sept. 16 | Austin, Minn. | Sept. 1 |
| | Adv. Sept. 1 to 15. | |
| Sept. 19 | Hamilton, Ont. | Sept. 1 |
| Sept. 19 | Akron, O. | Sept. 15 |
| Sept. 20 | Garfield, N. J. | Sept. 1 |
| Sept. 20 | Kendallville, Ind. | Sept. 8 |
| Sept. 24 | Monticello, N. Y. | Sept. 15 |
| | Adv. Sept. 15. | |
| Oct. 3 | Brownville, N. Y. | Sept. 15 |
| | Adv. Sept. 15. | |
| Oct. 4 | Clifton, N. J. | Sept. 8 |
| Oct. 4 | Toledo, O. | Sept. 15 |
| | Adv. Sept. 8 and 15. | |

### BRIDGES

| | | |
|---|---|---|
| Sept. 17 | Trenton, N. J. | Sept. 15 |
| | Adv. Sept. 8 and 15. | |
| Sept. 19 | Bronxville, N. Y. | Sept. 8 |
| | Adv. Sept. 1 to 15. | |
| Sept. 19 | Indiana | Sept. 15 |
| Sept. 20 | North Carolina | Sept. 8 |
| Sept. 21 | Morristown, N. J. | Sept. 8 |
| Sept. 21 | Denville, N. J. | Sept. 8 |
| | Adv. Sept. 8 and 15. | |
| Sept. 22 | Akron, O. | Sept. 1 |
| Oct. 2 | Sauk City, Wis. | Sept. 15 |

### EXCAVATION AND DREDGING

| | | |
|---|---|---|
| Sept. 19 | Cape Girardeau, Mo. | Sept. 8 |
| Sept. 19 | Trenton, Mo. | Sept. 8 |
| Sept. 20 | Waseca, Minn. | Sept. 8 |
| Oct. 4 | Trenton, N. J. | Sept. 8 |
| | Adv. Sept. 8 and 15. | |
| Oct. 4 | Boise, Idaho | Sept. 15 |

### STREETS AND ROADS

| | | |
|---|---|---|
| Sept. 19 | Clarksville, Tex. | Aug. 25 |
| Sept. 19 | California | Sept. 8 |
| Sept. 19 | Los Angeles, Cal. | Sept. 15 |
| Sept. 19 | Cameron, Tex. | Sept. 15 |
| Sept. 19 | Eldora, Ia. | Sept. 15 |
| Sept. 20 | Alabama | Sept. 8 |
| Sept. 20 | Danville, Ky. | Sept. 8 |
| | Adv. Sept. 8 and 15. | |
| Sept. 20 | Lexington, S. C. | Sept. 8 |
| Sept. 20 | North Carolina | Sept. 8 |
| Sept. 20 | New Orleans, La. | Sept. 1 |
| Sept. 20 | St. Louis, Mo. | Sept. 8 |
| Sept. 20 | Ottawa, Ill. | Sept. 15 |
| Sept. 20 | Yates Center, Kan. | Sept. 15 |
| Sept. 20 | Springfield, Ill. | Sept. 15 |
| Sept. 20 | Des Moines, Ia. | Sept. 15 |
| Sept. 20 | Chester, Pa. | Sept. 15 |
| Sept. 21 | Warrentown, Va. | Sept. 15 |
| Sept. 21 | New York, N. Y. | Sept. 15 |
| Sept. 21 | Brooklyn, N. Y. | Sept. 15 |
| Sept. 22 | Livingston, Tex. | Sept. 15 |
| Sept. 22 | Grand Haven, Mich. | Sept. 15 |
| Sept. 23 | Madison, W. Va. | Sept. 15 |
| | Adv. Sept. 15. | |
| Sept. 23 | Missouri | Sept. 15 |
| Sept. 24 | La Grange, Tex. | Sept. 15 |
| Sept. 26 | California | Sept. 15 |
| Sept. 27 | New Orleans, La. | Sept. 1 |
| Sept. 27 | Amite, La. | Sept. 8 |
| Sept. 27 | Minnesota | Sept. 15 |
| Sept. 27 | Pennsylvania | Sept. 15 |
| | Adv. Sept. 8 and 15. | |
| Sept. 28 | Maplewood, Mo. | Sept. 8 |
| Sept. 30 | Emporia, Kan. | Sept. 8 |
| Sept. 30 | Troy, Kan. | Sept. 8 |
| Oct. 3 | Klamath Falls, Ore. | Sept. 8 |
| | Adv. Sept. 8 and 15. | |
| Oct. 3 | Harrisonburg, La. | Sept. 8 |
| Oct. 4 | Minnesota | Sept. 15 |
| Oct. 7 | Belleville, Kan. | Sept. 8 |
| Oct. 11 | Leavenworth, Kan. | Sept. 8 |
| Oct. 13 | Weehawken, N. J. | Sept. 15 |
| Oct. 14 | Belleville, Kan. | Sept. 15 |
| Oct. 17 | Alabama | Sept. 15 |

### INDUSTRIAL WORKS

| | | |
|---|---|---|
| Sept. 22 | Kingston, Ont. | Sept. 15 |
| Sept. 26 | Madison, Wis. | Sept. 8 |

### BUILDINGS

| | | |
|---|---|---|
| Sept. 19 | Venice, O. | Sept. 8 |
| Sept. 19 | Hamden, Conn. | Sept. 15 |
| Sept. 20 | Detroit, Mich. | Aug. 25 |
| Sept. 20 | Salisbury, Md. | Sept. 8 |
| Sept. 20 | Mahanoy City, Pa. | Sept. 15 |
| Sept. 20 | Sulphur, Okla. | Sept. 15 |
| Sept. 20 | Cresson, Pa. | Sept. 15 |
| Sept. 20 | Champaign, Ill. | Sept. 15 |
| Sept. 21 | New York, N. Y. | Sept. 15 |
| Sept. 22 | St. Louis, Mo. | Sept. 8 |
| Sept. 22 | Warrensville, O. | Sept. 1 |
| Sept. 22 | Cranston, R. I. | Sept. 8 |
| Sept. 23 | Manhattan, Kan. | Sept. 8 |
| Sept. 23 | Rutherford, N. J. | Sept. 8 |
| Sept. 24 | Victory, B. C. | Sept. 15 |
| Sept. 24 | Hamilton, Ont. | Sept. 15 |
| Sept. 24 | Camden, N. J. | Sept. 8 |
| Sept. 25 | Betterton, Md. | Sept. 8 |
| Sept. 26 | Cheyenne, Wyo. | Sept. 1 |
| Sept. 27 | Ann Arbor, Mich. | Sept. 8 |
| Sept. 27 | Des Moines, Ia. | Sept. 8 |
| Sept. 28 | Rochester, N. Y. | Sept. 8 |
| Sept. 30 | Shelton, Conn. | Sept. 8 |
| Sept. 30 | Memphis, Tenn. | Sept. 15 |
| Oct. 4 | Pineville, La. | Sept. 15 |
| Oct. 24 | Cleveland, O. | Sept. 8 |
| Feb. 1 | Williamsport, Pa. | Sept. 8 |

### FEDERAL GOVERNMENT WORK

| | | |
|---|---|---|
| Sept. 17 | Riprap—Wash., D. C. | Sept. 8 |
| | Adv. Sept. 8 and 15. | |
| Sept. 19 | Dredging—Detroit, Mich. | Aug. 25 |
| | Adv. Aug. 25 to Sept. 15. | |
| Sept. 21 | Machine Shop—Pearl Harbor, H. T. | Aug. 11 |
| Sept. 21 | Refrigerating Plant—Dawson Springs, Ky. | Sept. 15 |
| Sept. 22 | Emergency Dams — Seattle Wash. | Aug. 11 |
| Sept. 26 | Hydraulic Dredge — Phila., Pa. | Sept. 1 |
| | Adv. Sept. 1 to 15. | |
| Sept. 27 | Addition to Boiler House, etc. —Phila., Pa. | Sept. 8 |
| | Adv. Sept. 8 and 15. | |
| Sept. 28 | Power Plant Impvts.—Annapolis, Md. | Sept. 8 |
| Sept. 28 | Dispensary—Wash., D. C. | Sept. 15 |
| Sept. 30 | Gate Locks and Valves—Rock Island, Ill. | Sept. 8 |
| | Adv. Sept. 8 and 15. | |
| Sept. 30 | Entrances—Wash., D. C. | Sept. 15 |
| Oct. 4 | Refrigerating Plant—Key West, Fla. | Sept. 15 |
| Oct. 6 | Alterations to Post Office, etc.—Springfield, Mo. | Sept. 15 |
| | Adv. Sept. 15. | |

### MISCELLANEOUS

| | | |
|---|---|---|
| Sept. 19 | Incinerators—Dallas, Tex. | Sept. 8 |
| Sept. 21 | Incinerator — Brooklyn, N. Y. | Sept. 15 |
| Sept. 28 | Core Stone, etc.—Coney Island (Brooklyn P. O.) N. Y. | Sept. 8 |
| Sept. 28 | Crane—New York, N. Y. | Sept. 1 |
| | Adv. Sept. 1 to 15. | |
| Sept. 30 | Breakwater—Coburg, Ont. | Sept. 8 |
| Sept. 30 | Tunnel—Seattle, Wash. | Sept. 8 |
| Oct. 4 | Cranes, etc.—Stapleton, S. I., N. Y. | Sept. 8 |
| Oct. 4 | Dragline Machine—Greenville, Miss. | Sept. 15 |
| | Adv. Sept. 15. | |

**Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.**

## Waterworks

### PROPOSED WORK

**Me., Auburn** — City having plans prepared for building and equipping brick and steel pumping station. F. E. Bissbee, chn. Sawyer & Bean, 11 Lisbon St., Lewiston, engrs.

**Me., Sebago Lake**—Portland Water Dist., Portland, plans to build main water conduit here. G. W. Graham, Portland, genl. mgr.

**W. Va., Elkins**—City voted $45,000 bonds for filtration plant, $40,000 for sedimentation tanks, $9,000 for pumps, motors and electrical equipment, $2,200 for intake, $14,000 for water mains, $7,500 for reservoir, $7,300 for miscellaneous expenses. Noted Aug. 18.

**Tenn., Nashville**—City plans election to vote on $1,800,000 bond issue for waterworks improvements. Work include c.i. force mains, $384,500; booster station, $55,000; additional storage, $114,000; filteration plant, $652,150; repairs to reservoir, $238,000; extension and lateral water mains, $300,000; boilers and mechanical equipment, $91,900. S. H. McKay, City Hall, secy. Bd. Pub. Wks.

**O., Barberton**—City plans election to vote on $450,000 bonds to install water mains. H. W. Alcorn, City Hall, engr.

**O., West Park**—See "Sewers."

**O., West Park**—City election Nov. 9 to vote on $200,000 bonds to build 24 in. c.i. mains. J. Reitz, City Hall, engr.

**Ill., Hampshire**—City having plans prepared for waterworks. About $25,000. A. L. Webster, Wheaton, engr.

**Ill., Washburn**—City plans to build waterworks. About $30,000. C. E. De Leuw, 111 West Washington St., Chicago, engr.

**Mo., Fairfax**—City having plans prepared building waterworks. Bonds for $35,000 voted for project. E. T. Archer & Co., New England Bldg., Kansas City, engrs. Noted Aug. 4.

Waterworks (Continued)

**Mo., Portageville**—City plans to build waterworks, including pumps, tower, tanks, pipe line, etc. About $40,000. A. C. Moore, Joplin, engr.

**Okla., Hobart** — City plans to extend waterworks. About $100,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

**Okla., Red Fork**—City election soon to vote on $19,000 bonds to improve waterworks. Engineer not selected.

**Ont., Dundas**—Town soon receives bids building 10,000 lin.ft. 6 in. mains in Dundas, York, Witherspoon, Park, Hatt, McNab, Bond and South Sts. About $30,000. C. R. Murdock, Dundas, engr.

**Ont., Georgetown**—Town plans to extend waterworks, including new c.i. pipe, centrifugal pumps, and addition to pumphouse. About $60,000.

**Ont Ottawa**—City plans to build ½ mi. of 51 in. water mains in Wellington St. About $135,000. A. F. McCallum, City Hall, engr.

### BIDS DESIRED

**N. Y., Brownville**—See "Sewers."

**N. Y., Long Island City**—Until Sept. 19, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, hauling and laying water mains in Ely and Review Aves. and Hamilton St., 1st Ward; Mansion Pl., 2nd Ward; Clinton Ave., 18th, 123rd, 129th, 156th, 157th, 159th, 162nd, 206th and 248th Sts. 3rd Ward, here.

**N. Y., S. I., St. George**—Until Sept. 19, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, hauling and laying water mains in Clinton, Arden, Catlin, Finley, Division, Grandview, Greeley, Highland, Lyman, Marion, Oder, Seymour, Pommer, Sharon, Vedder, Vernon, Villa, Willow and Wilson Aves., Chelsea, Garden, Hillcrest, Loretta, Prospect and Purdy Sts., Annadale, Belair, Four Corners, Great Kills, Helena and Mill Rds., also Hooker Pl., here.

**N. J., Boonton**—Until Sept. 19, by Mayor and Bd. Aldermen, at Aldermanic Chambers, Main St., furnishing and erecting steel water tank, 1,000,000 gal. capacity. A. P. Smith, 716 Main St., clk.; advertised in this issue.

**O., Forest**—Until Sept. 23, by A. F. Bartledt, clk. Bd. Trustees of Pub. Affairs, building waterworks system, involving 143.7 ton 6 and 8 in. c.i. pipe, laying 20,050 lin.ft. 4-6 in. pipe, 50,000 gal. steel tank on 100 ft. tower, etc. G. Champe, Toledo, civil engr.

**Ill., Springfield**—Until Sept. 20, by city, laying 4 and 6 in. c.i. mains in Hay St. About $25,000. W. Seeley, City Hall, engr.

### PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

**N. Y., Buffalo**—City received bids furnishing (1) 6,240 ft. 20 in. high pressure c.i. pipe, (2) fittings, from R. D. Wood & Co., 400 Chestnut St., Phila., (1) $37.85 per net ton of 2,000 lb., (2) $130 per net ton, F.O.B. Buffalo; U. S. Cast Iron Pipe & Fdry. Co., 957 East Ferry St., (a) per ton, (b) per foot, Class G 1.39 in., (1a) $45.80, (1b) $7.37, Class F 1.27 in., (1a) $45.80, (1b) $6.57, Class F 1.23 in., (1a) $45.80, (1b) $6.34, Class F 1.18 in., (1a) $45.80, (1b) $6.24, standard specials, $0.05 per lb., special castings with lugs, $0.06 per lb., pipe cast with lugs, $15 per ton additional, all F.O.B. Buffalo; Central Fdry. Co., 90 West St., New York City, (1b) $7.80, (2) $0.08 per lb.

★**Md., Baltimore**—Bd. Awards, City Hall, let contract building 7,000,000 gal. capacity balancing reservoir, to T. Mullan, Greenmount Ave. and 40th St., $45,285.

★**O., Sidney**—City let contract extending water mains, to L. I. Stark, Cuyahoga Falls, $40,030. Noted Aug. 11.

★**Mich., Detroit**—Water Bd. let contract furnishing four 400 hp. boilers, to Wickes Boiler Co.; 512 North Water Co., Saginaw, $36,187; 4 underfeed stokers, to Amer. Eng. Co., Aramingo and Cumberland Sts., Phila., $22,995. Noted Sept. 1 under "Miscellaneous."

★**Mich., Detroit**—Water Bd. let contract furnishing 1,500 ton 8 in. c.i. water pipe, to Lynchburg Fdry. Co., Lynchburg, Va., $41.85 per ton, $62,775.

★**Ill., Farmington**—City let contract laying 4 to 6 in. water mains, and erecting water tank, 60,000 gal. capacity, etc., to R. P. Keuhn, Farmington. About $27,000. Noted May 12.

★**Wash., Port Townsend**—City let contract tunneling and draining lake for storage reservoir, 100,000,000 gal. capacity, work involves 410 ft. tunnel through rock, to O. Olson, Maple Valley, $16,775.

★**Que., Montreal** — City let contract furnishing 100 ton 20 and 24 in. c.i. pipe, to Canada Iron Foundries, Ltd., Victoria Sq., $58.50 per ton of 2,000 lb.

## Sewers

### PROPOSED WORK

**N. J., North Bergen** (Weehawken P. O.)—Township plans to build surface and sanitary sewerage system also new sewage disposal plant at Hackensack Meadows. About $2,000,000. Cost to be borne by Township and property owners. T. Harmon, North Bergen, engr.

**Md., Baltimore**—Baltimore Co. plans to build sewerage system and disposal plant at Towson.

**O., West Park**—City had plans prepared building sewers and water mains in Normandy, Belmar, Ernadale, Lauerdale, Silverdale, Derby, West 158th and West 159th Sts., involving 7,500 ft. 12-15 in. vitr. and 1,000 ft. 8 in. c.i. pipe. About $40,000. W. H. Evers, 1048 Engineers Bldg., Cleveland, engr.

**Ill., Kenilworth**—City having plans prepared for storm sewerage system. About $72,000. J. C. Murray, clk. Windes & Marsh, 598 Birch St., Winnetka, engrs.

**Ill., Winnetka**—Indian Hill Improvement Dist. having plans prepared for 10-16 in. sewers, 4-6 in. water pipe and reservoir. About $25,000. Windes & Marsh, 598 Birch St., engrs.

**Ia., Lake Mills**—City plans to build sanitary and storm sewers in various streets. About $40,000. C. P. Smith, Estherville, engr.

**Mo., St. Louis**—City soon receives bids building vitr. clay sewer in Manchester Sewer Dist. 2. About $26,350. E. R. Kinsey, chn. Bd. Pub. Serv. Engineer's name withheld. Noted April 21.

**Okla., Hobart**—City plans to build sewage disposal plant. About $25,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs.

**Ont., Owen Sound**—City plans to build storm sewers. About $60,000. Prices wanted on all materials. C. Gordon, City Hall, engr.

**Ont., St. Thomas**—City plans election in January to vote on $40,000 bonds to build storm sewers in Talbot St. W. Miller, City Hall, engr.

### BIDS DESIRED

**N. Y., Brownville**—Until Oct. 3, by Bd. Trustees, constructing sanitary sewerage and waterworks systems. W. T. Field, 40 Flower Bldg., Watertown, consult. engr.; advertised in this issue.

**N. Y., Monticello**—Until Sept. 24, by Bd. Sewer Comrs., at office of C. H. Ebinger, village clk., constructing 38,000 sq.ft. new sand filters with concrete walls, etc. Tribus & Massa, 15 Park Row, New York City, consult. engrs.; advertised in this issue.

**O., Akron**—Until Sept. 19, by Director Pub. Serv., building 5,760 ft. trunk sewer in South Arlington St. Dist., involving 4,630 ft. 30-60 in. rein.-con., vitr. brick or segmental block, 6,000 ft. 8-24 in. vitr. tile block and 250 cu.yd. concrete. About $102,000. J. E. Root, Delaware Bldg., engr.

**O., Akron**—Until Sept. 19, by Director Pub. Serv. constructing Northside Intercepter Sewer, involving 6,450 ft. 24 in. vitr. pipe, cost $59,820; Little Cuyahoga Intercepter Sewer, involving 2,550 ft. 57 in. vitr. brick or segmental block, 3,000 ft. 6-24 in. vitr. tile block and 200 cu.yd. concrete, $103,669. J. E. Root, Delaware Bldg., engr.

**O., Toledo**—Until Oct. 4, by C. A. Benedict, dir. Pub. Serv., 225 Valentine Bldg., constructing sewage pumping station and appurtenances. Fuller & McClintock, 170 Bway., New York City, engrs.; advertised in this issue.

**Ill., Springfield**—Until Sept. 20, by city, laying 10-12 in. glazed sewers in Bond Ave. About $25,000. W. Seeley, City Hall, engr.

### PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., let contracts building sewers in Strong St. to Seaside Contg. Co., Seaside, $59,263; 13th St., to Booth & Flinn Ltd., 17 Battery Pl., New York City, $842,000; Marion St., 16th Ave. and Nostrand Pl., to J. F. Clancy, Inc., 460 Lockwood St., $931, $3,351 and $1,760 respectively. Noted Sept. 8.

**N. J., Princeton**—Boro. received bids building sewage treatment plant, from Genl. Constr. Co., Trenton, $37,500; J. Boscarella 110 2d St., Trenton, $38,300; Karno-Smith Co., Trenton, $39,235. Noted Jan. 13.

★**O., Barberton**—City let contract building main and lateral vitr. sewers in Central and North Barberton Sts., to W. H. Hunt, 518 Metropolitan Ave., Akron. About $95,000.

★**O., Tippecanoe City**—C. H. Paul, asst. ch. engr. Miami Conservancy Dist., Dayton, let contract building 4th St. Intercepter Sewer, here, involving 2,100 ft. 36-60 in. concrete pipe, to J. C. Mercer & Sons, Piqua. About $45,000. Noted Aug. 25.

★**Mich., Detroit**—City let contracts to C. R. Lennane & Co., Union Trust Bldg., constructing Lateral 3393, cost $20,035; Detroit Drainage Constr. Co., 827 Ford Bldg., Lateral 3427, $2,974; Liberty Constr. Co., Detroit Savings Bank Bldg., Lateral 3500, $29,800, Lateral 3505, $7,890, Lateral 3507, $4,719; R. D. Baker, 1631 Elmhurst Ave., Lateral 3509, $2,375; Western Constr. Co., 1208 Ford Bldg., Lateral 3514, $45,646; H. Fortuna, 4422 St. Aubin St., Lateral 3512, $3,150. Noted Sept. 1.

**Mich., Detroit**—City received bids building (1) Sect. 2 Highland Park Arm Sewer, (2) Sect. 5 Jos. Campau Sewer, (3) Sect. 5 Bates St. Sewer, (4) Sect. 3 Gratiot Ave. Sewer, (5) Marquette Ave. Arm Sewer, (6) Van Dyke Ave. Sewer, from

J. Porath, 34 McGraw Bldg., (1) $242,848.

J. Bollin Co., 1259 Book Bldg., (1) $246,411.

Lennane & McIlvenna, 1205 Book Bldg., (1) $238,935.

Brandon & Hanna, 1624 Dime Bank Bldg., (2) $397,101.

Jaynes & Affeld, 1208 Ford Bldg., (2) $227,004, (3) $298,522.

J. A. Mercier, 216 Hammond Bldg., (2) $331,335, (3) $293,452, (4) $82,039, (6) $61,669.

W. Blanck & Co., 827 Ford Bldg., (3) $301,137, (4) $103,786, (5) $65,861, (6) $61,640.

R. D. Baker, 1631 Elmhurst Ave., (4) $97,605.

R. A. Mercier, 6 Campau Bldg., (5) $67,590.

C. M. Davis, Penobscot Bldg., (5) $69,978.

Connelley Bros., 610 Lincoln Bldg., (6) $61,651. Noted Aug. 18.

★**Ill., Morton**—City let contract building storm drain sewerage system, Dist. 1, to W. O. Anns, Havana, $25,184. Noted Sept. 1.

★**Wis., Evansville**—City let contract laying vitr. sanitary and storm sewers in Main and Elm Sts., to E. W. Leisman, Main St., Ft. Atkinson. About $25,000.

★**Ia., Rock Rapids**—City let contract laying 10-16 in. galvanized sewers, to R. L. Cox, Webster City, $29,342. Noted Aug. 18.

**Minn., St. Cloud**—City opened bids Aug. 26, building sewers in Impvt. Dist. 547, involving 8,284 ft. 10-18 in. vitr. pipe, 2,865 ft. 18-36 in. segment block, 53 catch basins, 970 ft. catch basin connections 33 manholes, etc., from E. T. Webster, 437 Beacon Ave., St. Paul, $39,799; Pastoret Constr. Co., 308 Sellwood Bldg., Duluth, $39,928; Haggart Constr. Co., 60 Bway., Fargo, N. D., $45,253.

★**Mo., St. Louis**—City let contract building 547 ft. 9 in. circular outlet sewer in Hodiamont Ave. Sewer Dist. 1, Letting 1218, to A. Lewald, 5947 McPherson St. About $25,756. Noted Aug. 18.

**Cal., East San Diego**—City received bids laying 29.11 mi. lateral sewers involving (a) 92,689 ft. of 6 in. vitr. clay pipe, (b) 60,343 ft. 8 in. cement pipe, (c) 541 ft. 6 in. c.i. pipe, (d) 132 ft. 8 in. c.i. pipe, (e) 6,550 6 in. "Y" branches, (f) 4,257 8 in. "Y" branches, (g) 45 cu.yd. concrete, (h) 443 concrete manholes, (i) 54 concrete flush tanks, from B. B. Boyd, East San Diego, (a) $1.25, (b) $1.34, (c) $1.80, (d) $2.50, (e) $1.05, (f) $1.75, (g) $20, (h) $70, (i) $110, total $249,879; G. R. Daley, McNeece Bldg., San Diego, (a) $1.56, (b) $1.81, (c) $1.40, (d) $1.80, (e) $1, (f) $1, (g) $45, (h) $68, (i) $140, total $303,197.

Sewers (Continued)

**Cal., Burbank**—City received bids constructing sewerage system (a) cement pipe, (b) vitr. pipe, from R. J. Gillespie, 1537 Mariposa Ave., (a) $54,082, (b) $54,784; J. S. Reynolds, Los Angeles, (a) $54,217, (b) $53,863; Fleming Constr. Co., 105 North Park St., Pomona, $55,099. Noted Aug. 11.

★**Cal., Los Angeles**—City let contract building sewers in 23rd St. Sewer Dist., to S. Zarubica, 3006 6th Ave., $61,000; in 52d St. Sewer Dist. to B. Deragno, 1614 South Hill St., $105,436. Noted Sept. 8. Bldg.

★**Ont., London**—City let contract building sewage pump house, to J. Hayman & Sons, 432 Wellington St.; furnishing pumps, to London Concrete Mchy. Co., Cabell Ave. Total cost about $60,000.

## Bridges

### PROPOSED WORK

**Tex., Orange**—Orange Co. having revised plans prepared constructing concrete abutments and steel truss spans over Sabine River. About $200,000. Westcott Eng. Co., 111 West Washington Blvd., Chicago, engrs.

**Wash., Pasco**—Inter County Bridge Co., Walla Walla, soon receives bids building 3,236 ft. toll bridge, 20 ft. roadway, across Columbia River from here to Kennewick. About $400,000. M. M. Caldwell, ch. engr. Noted Aug. 25.

### BIDS DESIRED

**N. J., Trenton**—Until Sept. 17, by Joint Comn. for Elimination of Toll Bridges over Delaware River between New Jersey and Pennsylvania, 125 West State St., Trenton, constructing steel floor system with asphalt pavement, to bridge over Delaware River, between here and Morrisville, Pa. L. Focht, engr.; advertised in this issue.

**Indiana**—Until Sept. 19, by L. E. Lyons, dir. State Highway Comn., Capitol Bldg., Indianapolis, repairing 164 ft. steel truss over Flat Rock, Decatur Co., 55 ft. steel truss over Turkey Creek, Lake Co., three 169 ft. steel trusses over White River, Morgan Co., four 50 ft. steel trusses with plank flooring over White Water River (West Fork), Fayette Co., 115 ft. steel truss over Symonds Creek, Wayne Co., one 8 ft. and one 10 ft. rein.-con. culvert, Howard Co.

**Wis., Sauk City**—Until Oct. 7, by State Highway Comn., State Capitol Annex, Madison, building Sauk City Bridge on State Trunk Highway 12 over Wisconsin River between here and Roxbury, to have 10 fixed spans each 84 ft. long, 1 approach span 70 ft. long and one 80 ft. lift span to give clear opening of 70 ft., total over all length 995 ft., 20 ft. roadway, 6 ft. sidewalk. Work involves 2,436 cu.yd. concrete, 586 ton structural and 36 ton reinforcing steel, 3 ton track plates, 174 sq.yd. creosoted wood block pavement, etc. M. W. Torkelson, Madison, bridge engr.

### PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**N. Y., Castleton**—Town of Schodack let contract building rein.-con. bridge to replace present 120 ft. iron bridge, near here, to C. P. Boland & Co., 30 4th St., Troy.

★**New Jersey** — State Highway Dept., Broad St. Bank Bldg., Trenton, let contract building 2 small concrete bridges, on Route 12, Sect. 8, Passaic and Warren Counties, to S. S. Thompson, Inc., 111 Chestnut St., Red Bank, $25, 663. Noted Aug. 25.

★**N. J., Perth Amboy**—State Highway Dept., Broad St. Bank Bldg., Trenton, let contract repairing Amboy Bridge over Raritan River, between here and South Amboy, to G. Wickberg, 130 Catalpa Ave., $65,207. Noted Sept. 1.

★**N. J., Secaucus**—Bergen Co. (Hackensack) and Hudson Co. (Jersey City) let contract repairing piles of bridge over Hackensack River, here, to Linde & Griffith Contg. Co., 4th Ave., Newark, $36,459.

★**N. J., Trenton**—Bd. Freeholders Mercer Co. let contract building 250 ft. steel and concrete drawbridge, 32 ft. wide, 60 ft. towers, on Southard St., to Brann & Stuart Co., Commercial Trust Blg., Phila, $162,213. Noted Aug. 25.

**O., Cleveland**—Cuyahoga Co. opened bids Aug. 24, building (1) concrete substructure, (2) steel superstructure for lift bridge over Cuyahoga River, on Alexander Rd., from T. B. Husband, 3166 Redwood Ave., (1) $41,350; E. Gedney, Addison Rd., (1) $42,315; King Bridge Co., East 69th St., (2) $22,570. Noted Aug. 11.

★**Kan., Marysville**—Marshall Co. let contract constructing Gregg Bridge, 40 ft. deck girder Clear Fork Bridge, 60 ft. steel span, to Westover Steel & Iron Co., 19th and West Sts., Lincoln, Neb. About $25,000. Noted Aug. 25.

MISC—

**Tex., Comanche**—Comanche Co. received bids constructing concrete and steel bridges, including 1 over Rush Creek and 1 over Leon River on Highways 18 and 22, involving 2,212.3 cu.yd. Class A and 518.5 cu.yd. Class B concrete, 210,621 lb. reinforcing and 138,600 lb. structural steel, 1,772 cu.yd. structural excav., etc., from Harris & Powell, Tyler, $76,912; A. Murphy & G. B. Fisher, c/o G. B. Fisher, Blandlake, $91,206; Illinois Steel Bridge Co., Box 351, Dallas, $91,737.

★**Wash., Kelso**—State Highway Comn., Olympia, let contract building 722 ft. steel structure over Cowlitz River and grading approaches to Ocean Beach Highway, to Pacific Bridge Co., Tacoma, $228,800.

★**Wash., Seattle**—City let contract building ½ mi. trestle on 1st Ave. S., involving 45,000 lin.ft. wooden piling and 560,000 ft. lumber, to Hansen & Hauge, 105 North 84th St., $31,790.

★**B. C., North Vancouver**—Municipalities of North and West Vancouver let contract building 120 ft. Howe truss span, 16 ft. wide, on Marine Drive, to Nickson Constr. Co., 739 Hastings St., Vancouver, $26,826.

★**Mont., Missoula**—Northern Pacific R.R., 5th and Jackson Sts., St. Paul, Minn., let contract building 235 ft. steel bridge, 60 ft high, over Stout Creek, here, to H. C. Struchen, 405 Dakota Bldg., St. Paul. About $100,000.

## Dams

### PROPOSED WORK

★**N. H., Salem**—Arlington Mills, 78 Chauncy St., Boston, let contract building 880 ft. earth dam with rein.-con. core wall, 55 ft. high, also about 2 mi. gravel roadway, grubbing, clearing and other miscellaneous work, here, to H. P. Cummings Constr. Co., 14 Prospect St., Ware, Mass. About $250,000. Noted Mar. 3 under miscellaneous.

## Excavation and Dredging

### PROPOSED WORK

**Ill., Robinson** — Drainage — Drainage Comn., c/o M. D. Reed having plans prepared for drainage system, involving excavation and concrete work. About $150,000. E. F. Mail, Robinson, engr.

**Mont., Red Lodge**—Irrigation—Rosebud Irrigation Dist. having plans prepared for irrigating 12,000 acres, involving one 6 x 6-6 in. tunnel, 1,320 ft. 1-150 and 2,700 ft. 1-80 C.F.S. pressure pipe, etc. About $300,000.

### BIDS DESIRED

**Idaho, Caldwell**—Canal—Until Oct. 4, by Bd. Directors Pioneer Irrigation Dist., excavating about 4,500 lin. ft. canal, 42 ft. wide, Sects. 20 and 21, Twp. 4 north. F. L. Evans, secy. Noted Dec. 7.

**Utah, Salt Lake City**—Excavating—B. P. O. E., Lodge 85, South State St., receiving bids excavating for foundation for 5 story, 83 x 147 ft., rein.-con. and brick club on East South Temple St. Total cost about $300,000. Scott & Welch, Dooly Bldg., archts.

### PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Wis., Price**—Drainage—Price Co. Farm Drainage Assn. let contract excavating and laying 6-18 in. tile drain in D. D. 1, to Wisconsin Drainage Co., Elkhorn. About $26,000.

★**Wis., Sheboygan**—Drainage—Sheboygan Co. Drainage Bd. let contract excavating and laying 8-16 in. tile drain in Farm D. D. 6, to Lake Shore Drainage Co., Cedar Grove; tile, to Cedar Grove Concrete Products Co., Cedar Grove. Total cost $26,495.

★**Ia., Mt. Ayr**—Excavation—Ringgold Co. let contract building 3 mi. new channel, Platte River D. D. 2, involving 273,000 cu.yd. excav., to O. P. Herrick, Observatory Bldg., Des Moines, $0.1088 per cu.yd. Noted Aug. 18.

★**Minn., Redwood Falls**—Ditch—Redwood Co. let contracts building Co. Ditch 54, to A. Telford, Marshall, $27,341 labor for Co. Ditch 66, to Reinertson & Patterson, Springfield, $8,769; labor for Co. Ditch 70, to J. Slattery, Greenville, Ia., $9,500. Noted Aug. 11.

## Streets and Roads

### PROPOSED WORK

**Pa., Ebensburg**—H. T. Jones, controller Cambria Co., opens bids about Oct. 17, building 10,780 ft. Cresson Pike from Munster to Cresson, vitr. brick, asphalt, bituminous concrete, waterbound macadam, bituminous macadam or any other hard surface material. About $75,000. H. F. Dorr, Trust Bldg., engr.

**West Virginia**—State Highway Comn., Charleston, plans to build roads in various counties. Bond issue of $50,000,000 voted for project. First contract will be let this fall. G. H. Hill, 311 Broad St., Charleston, office engr. of State Rd. Comn., will supervise construction.

**N. C., Hickory**—City plans to pave 10,000 sq.yd. 17th St. from 16th Ave. to city limit, probably bitulithic. About $30,000. R. G. Henry, city mgr.

**Fla., Chipley**—City having plans prepared laying sidewalks, curbs and gutters and paving various streets. About $100,000. J. Boyd, c/o State Highway Dept., Montgomery, Ala., engr.

**Alabama** — State Highway Dept., Montgomery, plans to grade, drain and gravel surface 8 mi. road from Warrior River to Jefferson Co. line, Walker Co. About $150,000. W. S. Keller, state highway engr.

**Ill., Hinsdale**—City having plans prepared paving various streets, vitr. brick on concrete base. About $27,000. E. Hancock, 2047 Ogden Ave., Chicago, engr.

**Ill., Milan**—City having plans prepared paving various streets, vitr. brick on concrete base, concrete curb and gutter. About $60,000. W. Treichler, Court House, Rock Island, engr.

**Ill., Olney**—City having plans prepared paving various streets with concrete. About $50,000. J. S. Haine, clk. E. A. Phillips, Olney, engr.

**Ia., Charles City**—Floyd Co. plans to pave 6 mi. road between Rockford and Nora Springs. About $150,000. G. H. Elliott, Charles City, engr.

**Ia., Waterloo**—City plans to pave about 6 blocks Lyndale and Oakland Aves. About $30,000. A. E. Gnagy, clk.

**Minn., Breckenridge**—City plans to pave about 7 blocks 8th St. N. from Minnesota to Bede Aves. and 5th St. from New York to Bede Aves. About $25,000. P. E. Truax, acting clk.

**Kan., Minneapolis**—Ottawa Co. had plans prepared constructing 1 mi. J. H. Boyle Highway, 18 ft. wide, concrete, continuation of Federal Aid Project 49. About $45,000. L. R. Miller, Minneapolis, engr.

**Missouri**—State Highway Dept., Jefferson City, plans to build 3.27 mi. state road from Dell to Hickory Co. line, State Aid Project 20.9, Benton Co., involving 14,408 cu.yd. earth and 250 cu.yd. rock excav., 108.3 cu. yd. Class B and 3.2 cu.yd. Class C concrete, etc., cost $15,727; 3,023 mi. state road from Sarcoxie westward, State Aid Project 20.89, Jasper Co., 3,061 cu.yd. earth and 100 cu.yd. rock excav., 2,562 cu.yd. borrow, 122.8 cu.yd. Class B concrete, etc., $8,544; 1.638 mi. state road from Sedalia southward State Aid Project 20.91, Pettis Co., 6,242 cu.yd. earth and 500 cu.yd. rock excav., 694 cu.yd. borrow, 2.1 cu.yd. Class A and 152.8 cu.yd. Class B concrete, etc., $11,491; 4.091 mi. state road from Urbana southward, State Aid Project 20.84, Dallas Co., 18,914 cu.yd. earth excav., 696 cu.yd. borrow, 203.1 cu.yd. Class B and 7.2 cu. yd. Class C concrete masonry, etc., $16,040; 4.811 mi. state road from Fayette northward, State Aid Project 20.93, Howard Co., 41,452 cu.yd. earth and 110 cu.yd. rock excav., 699 cu.yd. borrow, 199.3 cu.yd. Class B and 17 cu.yd. Class C concrete, $27,552. A. Graham, state highway engr.

**Missouri**—State Highway Dept., Jefferson City, plans to build 4.01 mi. state road from Winona westward, State Aid Project 20.92, Shannon Co., involving 29,097 cu.yd. earth and 10 cu.yd. rock excav., 1,353 cu. yd. borrow, 179.5 cu.yd. Class B and 14.4 cu.yd. Class C concrete, etc. About $25,377. A. Graham, state highway engr.

**Streets and Roads (Continued)**

**Missouri**—State Highway Dept., Jefferson City, plans to build 7,026 mi. state road from Lebanon northward, State Aid Project 20.83, Laclede Co., involving 46,866 cu.yd. earth and 20 cu.yd. rock excav., 917 cu.yd. borrow, 38.2 cu.yd. Class B and 3.6 cu.yd. Class C concrete masonry, etc. About $31,-398. A. Graham, state highway engr.

**Mo., Eminence**—Shannon Co. having plans prepared grading and draining 2½ mi. roads, 18 ft. wide. About $26,000. W. S. Murray, Sikeston, engr.

**Mo., St. Genevieve** — St. Genevieve Co. having plans prepared grading and paving primary roads. About $28,000. W. S. Murray, Sikeston, engr.

**N. D., Fargo**—City having plans prepared paving various streets in Dist. 1, vitr. brick on concrete base. About $300,000. B. T. Jacobson, Fargo, engr.

**N. D., Fargo**—City having plans prepared paving various streets, Dist. 2, vitr. brick on concrete base. About $250,000 B. T. Jacobsen, Fargo, engr.

**N. D., Fargo**—City having plans prepared paving various streets in Dist. 3, brick on concrete base. About $25,000. B. T. Jacobsen, Fargo, engr.

**Tex., Crockett**—Houston Co. rejected bids received Aug. 27, grading, surfacing and draining 13.73 mi. State Highway 21. Cost $114,014 including 10% for engineering and contingencies. Work will be readvertised. Noted Aug. 18.

**Okla., Ada**—City plans to pave Mississippi Ave. from Main St. to Frisco R.R., involving 89,000 sq.yd. 7 in. plain concrete. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., engrs.

**Col., Denver**—City plans to curb and grade 60 blocks, 30 ft. wide, concrete, Impvt. Dist. 30. Cost $84,173. J. B. Hunter, City Hall, engr.

**Ont., Windsor**—City plans to widen Sandwich St. About $200,000. M. E. Brian, City Hall, engr.

**BIDS DESIRED**

**N. Y., Brooklyn**—Until Sept. 21, by E. Riegelmann, boro pres., Boro Hall, regulating, grading and paving, etc., Ocean Ave. from Voorhies to Emmons Aves., asphalt on 6 in. concrete foundation; grading portion of lot on northeast corner of Winthrop St. and Nostrand Ave.; regulating and repaving 1st Ave. from 52nd to 53rd Sts., granite on 6 in. concrete foundation; regulating and curbing west side of 7th Ave. from 77th to 78th Sts.

**N. Y., New York**—Until Sept. 21, by H. H. Curran, pres. Manhattan Boro, Municipal Bldg., regulating and repaving 2nd Ave. curb to rail from 4th to 5th Sts., 3½ in. white oak block on concrete foundation, Grove St. from 7th Ave. to Bleecker St., 5th Ave. from 90th to 98th Sts., East 70th St. from 3rd to 5th Aves., East 71st St. from 1st to Park Aves., sheet asphalt on concrete foundation; regulating, reregulating, grading and paving, etc., Haven Ave. from West 169th to West 170th Sts., sheet asphalt on concrete foundation.

**N. J., Weehawken**—Until Oct. 13, by Bd. Freeholders Hudson Co. (Jersey City), paving ¾ mi. Hackensack Plank Rd. from Hudson Blvd. to Gregory Ave. here and West Hoboken, granite block on concrete foundation. About $178,000. F. J. Radigan, Court House, Jersey City, engr.

**Pennsylvania**—Until Sept. 27, by State Highway Dept., Harrisburg, rebuilding roads in Armstrong, Beaver, Butler, Cameron, Chester, Clarion, Crawford, Cumberland, Erie, Fayette, Indiana, Jefferson, Lackawanna, Lawrence, Mifflin, Schuylkill, Westmoreland, and Wyoming Counties. L. S. Sadler, Comr.; advertised in this issue.

**Pa., Chester**—Until Sept. 20, by City Council, paving Howard St. from 24th to Mowry Sts., Ward St. from 2nd to 3rd Sts., Ward St. from 3rd to 4th St., Butler St. from 9th to Concord Sts., 8th St. to 215 ft. east of Barclay St., Crosby St. to 253 ft. south of 3rd St., paving, grading, etc. Hayes St. to 200 ft. north to 4th St. Work involves 6,740 sq.yd. vitr. brick, wood block or asphalt and 4,426 sq.yd. concrete base. C. G. Warrilow, City Hall, engr.

**Va., Warrenton**—Until Sept. 21, by State Highway Dept., at office Clerk, Fauquier Co., paving 4.03 mi. Midland Rd. between Auburn and Casanova Rds., 12 ft. wide, waterbound macadam. C. E. Bolling, Richmond, state highway engr.

**W. Va., Madison**—Until Sept. 23, by Clk. Boone Co., grading 4.2 mi. state road between Clothier and Ramage, Washington Dist. R. G. Gartner, co. rd. engr.; advertised in this issue.

**Alabama**—Until Oct. 17, by W. S. Keller, state highway engr., Montgomery, grading, draining and surfacing with gravel 14.67 mi. Decatur-Tuscumbia Rd. between Tuscumbia and Lawrence Co. line, Colbert Co., involving 14.67 mi. clearing and grubbing, 61,968 cu.yd. common excav., 500 lin.ft. 18 in. and 82.5 lin.ft. 24 in. pipe, 217.03 cu. yd. Class A and 111.3 cu.yd. Class B concrete, 18,319 lb. reinforcing steel, 34,437 cu. yd. gravel surfacing, etc.

**Mich., Grand Haven**—Until Sept. 22, by State Highway Dept. at office Bd. Rd. Comrs. Ottawa Co., grading and draining 4.56 mi. State Trunk Line Rd. 16-5, involving 36,741 cu.yd. excav. F. F. Rogers, Lansing, state highway comr.

**Ill., Ottawa**—Until Sept. 20, by city, paving various streets, portland cement on concrete base. About $60,000. G. L. Farnsworth, city engr.

**Ia., Des Moines**—Until Sept. 20, by A. E. McGlothlem, city clk., surfacing West 5th St. from University to College Aves., asphalt on concrete base; paving and resurfacing West 31st St., concrete and asphalt. About $35,000 and $25,000 respectively. K. C. Kastberg, city engr.

**Ia., Eldora**—Until Sept. 19, by city, paving streets, involving 30,000 sq.yd. pavement and 8,500 lin.ft. curb and gutter. About $120,000. Price & McCormick, 215 Security Bldg., Des Moines, engrs.

**Minnesota**—Until Sept. 27, by State Highway Dept., 920 Guardian Life Bldg., St. Paul, improving 5.65 mi. State Project 10-37, east of Wayzata, Hennepin Co., involving 84,638 cu.yd. excav., etc.; 4.3 mi. State Project 10-38, between Maple Plain and Long Lake, Hennepin Co., 57,049 cu.yd. excav. About $25,000 and $26,000 respectively. Noted July 7.

**Minnesota**—Until Oct. 4, by State Highway Dept., 920 Guardian Life Bldg., St. Paul, improving State Project 22-21 between Gaylord and Norseland, Sibley Co., involving 132,000 cu.yd. excav., etc.; also building Bridge 3,669, 35 ft. deck span on rein.-con. abutments. About $40,000. C. M. Babcock, state highway engr.

**Kan., Belleville**—Until Oct. 14 (change of date) by Comrs. Republic Co., grading, draining and building bridges on 8.6 mi. Belleville-Rydal-Scandia Rd., Sects. A, C and D, Federal Aid Project 92. About $64,000. G. O. Gunnels, co. engr. Noted Sept. 8.

**Kan., Yates Center**—Until Sept. 20, by city grading, paving, concrete curbing and guttering various streets, brick on concrete base. About $50,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

**Missouri**—Until Sept. 23, by State Highway Dept., dir. office, Paris, building 2.38 mi. state road from Paris westward, State Aid Project 20.86, Monroe Co., cost $15,-357; 1.82 mi. state road from Paris northeastward, State Aid 20.47, Monroe Co., $14,-413; 1.53 mi. state road from Paris southward, State Aid Project 20.85, Monroe Co., $7,233. A. Graham, Jefferson City, state highway engr. Noted Sept. 8.

**Tex., Cameron**—Until Sept. 19, by W. C. Gellis, judge Milam Co., grading, surfacing and draining 8.21 mi. State Highway 44, involving 5.6 acres clearing and grubbing, 43,636 cu.yd. borrow and 24,437 cu. yd. roadway excav., 545.8 cu.yd. 1:2:4 concrete, 23,200 lb. structural and 51,502 lb. reinforcing steel, 15,388 cu.yd. schist. Cost $56,875. A. F. Mitchell, co. engr.

**Tex., La Grange**—Until Sept. 24, by J. F. Ehlinger, judge Fayette Co., grading, gravel surfacing and draining 7.29 mi. State Highway 3-B, involving 14,868 cu.yd. borrow, 16,217 cu.yd. roadway, 1,601 cu.yd. structural, and 22,668 cu.yd. loose rock excav., 1,266.9 cu.yd. 1:2:4, 84 cu.yd. 1:2½:5 and 22 cu.yd. 1:3:6 concrete, 108,224 lb. reinforcing steel, 17,109 cu.yd. gravel surfacing to be furnished by county. Cost $123,550. A. Schlafli, Schulenburg, co. engr. Noted Mar. 24.

**Tex., Livingston**—Until Sept. 22, by E. T. Murphy, judge Polk Co., grading, gravel surfacing and draining 9.7 mi. State Highway 35, involving 60.8 acres clearing and grubbing, 107,789 cu.yd. borrow and 39,933 cu.yd. roadway excav., 1,441.9 cu.yd. 1:2:4 concrete, 20,508 cu.yd. gravel surfacing. Cost $264,369. W. C. Youngs, co. engr.

**California**—Until Sept. 26, by State Highway Comn., 515 Forum Bldg., Sacramento, paving 10.7 mi. highway, Imperial Co., asphaltic concrete; grading 9.3 mi. highway between Fairville and east boundary, Sonoma Co. A. B. Fletcher, state highway engr.

**Cal., Los Angeles**—Until Sept. 19, by Bd. Pub. Wks., paving and laying curbs and sidewalks on Hoover St., involving 541,000 sq.ft., 6 in. concrete.

**Ont., Simcoe**—Town and Norfolk Co. receiving bids building concrete highway on Colborne St., 24 ft. wide. About $90,000. G. R. Marston, Simcoe, engr.

**PRICES AND CONTRACTS AWARDED**

(★Indicates award of contract)

★**New Hampshire**—State Highway Dept., Concord, let contract improving state highway in Derry, bituminous macadam, to J. F. Watkins, Powow St., Amesbury, Mass. About $25,000.

★**N. H., Manchester** — City let contract repairing various streets with bituminous macadam, to Winslow & Cummings, Nashua. About $30,000.

★**Vermont**—State Highway Comn., Montpelier, let contract building 2,500 ft. North Clarendon Rd., Rutland, 50 ft. wide, concrete, to P. C. Ricci, Rutland. About $40,000.

★**Massachusetts**—Dept. Pub. Wks., Highways, Boston, let contract building 2,300 ft. bituminous macadam highway in Wrentham, to Canedy Constr. Corp., New Bedford $10,186; gravel highway in Burlington, to Sweeney Motor Truck & Constr. Co., 165 Bway, Everett, $3,936; 2,000 ft. bituminous macadam highway in Holbrook, to Powers Bros., 163 North Montello St., Brockton, $9,843; gravel surfacing 1,525 ft. highway in Rutland, to A. Palladino, Newton Highlands, $6,252.

★**Mass., Fitchburg**—City let contract paving, curbing, etc., several streets, concrete and asphalt, to H. P. Cummings Constr. Co., 14 Prospect St., Ware. About $40,000.

★**Mass., Framingham**—Town let contract paving 2,400 ft. highway, 18 ft. wide, bituminous concrete, to C. Bianchi, Framingham. About $25,000.

★**Conn., Waterbury**—City let contract for concrete and asphalt pavement on North Main St., to C. W. Blakeslee & Sons, 58 Waverly St., New Haven, $32,000; asphalt pavement on Central Ave., Baldwin, Charles, Porter and Johnson Sts., to E. Tracy, 200 Olivia St., Derby, $35,000.

★**New York**—H. S. Sisson, comr. State Highway Dept., 55 Lancaster St., Capitol, Albany, let contract improving 0.46 mi. Highway 5377A, Broome Co., to A. Yesu, Binghamton, $14,281; 2.61 mi. Highway 807A, Cortland and Chenango Counties, to Lane Constr. Corp., 37 Colony St., Meriden, Conn., $78,336; 2.91 mi. Highway 1574, Livingston Co., to Lathrop, Shea & Henwood Co., 428 Ellicott Sq., Buffalo, $140,646; 6.99 mi. Highway 8072, Ontario and Wayne Counties, to J. H. Corbett, Jr., Baldwinsville, $203,272; reconstructing 1.26 mi. Rep. Contr. 1333, Albany Co., to Municipal Constr. Co., Utica, $23,198; 3.53 mi. Rep. Contr. 3004, Albany Co., to J. P. Dugan & Co., Inc., Amsterdam, $106,536; 1.63 mi. Rep. Contr. 3005, Hamilton Co., to P. Morford, Fultonville, $26,680; 4.87 mi. Rep. Contr. 3006, Jefferson Co., to Smith Bros. Constr. Co., Watertown, $140,868; 4.39 mi. Rep. Contr. 3011, Monroe Co., to W. E. Kinney & Co., Rochester, $77,387; 4.55 mi. Rep. Contr. 3019, Oneida Co., and 6.47 mi. Rep. Contr. 3009, Steuben Co., to Dale Eng. Co., Mann Bldg., Utica, $137,784 and $101,951 respectively; 2 mi. Rep. Contr. 1320, Ontario Co., to G. B. Dickison, Union Bldg., Syracuse, $27,123; 1.1 mi. Rep. Contr. 3003, Rensselaer Co., to D. S. McGrath Co., Adams, Mass., $37,244; 2.29 mi. Rep. Contr. 3001, Suffolk Co., to R. W. S. Corp., New York City, $28,142; 1.76 mi. Rep. Contr. 3008, Ulster Co., to A. C. Kleisch Co., Haverstraw, $54,941; 1.28 mi. Rep. Contr. 3013, Westchester Co., to Fleming, O'Brien & McEntegart, Inc., New York City, $43,904; 2.65 mi. Rep. Contr. 3016, Wyoming Co., to J. M. Murray, Leroy, $52,434. Noted Sept. 1.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids Sept. 9, regulating and repaving (1) Crescent St., granite block on concrete foundation, (2) Metropolitan Ave., (3) 5th St., (4) Louona Ave., (5) 1st Ave., sheet asphalt on concrete foundation; regulating and grading, etc., (6) Arcadia Ave., (7) 5th St., (8) Ely Ave.; curbing and laying sidewalks, on (9) Halett St., regulating and paving (10) Concordia St., granite block on concrete foundation, laying sidewalks on (11) 46th St., from

C. A. Myers Contg. Co., Stagg St. and Morgan Ave., Brooklyn, (1) $2,790, (8) $9,-910, (10) $1,930.

Welsh Bros. Contg. Co., 32 Queens St., Astoria, (1) $2,967, (6) $1,954, (7) $19,635, (8) $9,479, (9) $7,466, (10) $2,313.

F. J. Clancy, Corona, (1) $3,195, (6) $1,-

Streets and Roads (Continued)

770, (7) $18,851, (8) $10,030, (9) $8,272, (10) $2,565, (11) $2,980.

W. P. McDonald Constr. Co., 17 West 42d St., New York City, (2) $92,700. (3) $39,-209, (5) $14,271.

Sicilian Asphalt Paving Co., 41 Park Row, New York City, (2) $100,142, (3) $38,015, (4) $4,919, (5) $13,434.

Cleveland Trinidad Paving Co., Flushing, (2) $104,228, (3) $36,692, (5) $13,991.

Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (2) $104,398, (3) $35,315, (4) $6,548, (5) $13,149.

R. A. Hess, Inc., 14 Queens St., Astoria, (6) $1,825, (9) $7,750, (11) $2,610.

Kennedy & Smith, 93 Amity St., Flushing, (9) $7,916, (10) $2,835, (11) $3,175.

H. E. Kordes & Co., Inc., 2577 Cooper St., Brooklyn, (10) $2,340.

Peace Bros., Inc., 20 Main St., Flushing, (7) $24,277.

Noted Sept. 1.

**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, opened bids Sept. 6, regulating, grading, etc. Rockaway Blvd. from New York Ave. to Nassau Co. line, from A. Paino, 2016 East 14th St., Brooklyn, $273,380; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $279,000; H. E. Kordes Co., 2577 Cooper St., Brooklyn, $360,000. Noted Sept. 8.

★**N. J., Elizabeth**—Bd. Freeholders Union Co. let contract improving 1½ mi. Park and Martine Aves., 20 ft. wide, asphalt, to Redfern & Lepre Co., 30 Church St., South Orange, $63,611.

**N. J., Jersey City**—City received bids paving Clerk St. between Bramhall Ave. and Forest St., Union St. between Clerk St. and Arlington Ave., Monticello Ave. between Bramhall and Communipaw Aves., Union St. between Ocean Ave. and Clerk St., sheet asphalt on present stone block, from Willite Rd. Constr. Co., 51 Chambers St., New York City, 90% of engineers estimate ($27,670); W. T. S. Critchfield, 14th St., Hoboken, 92%; Clinton Asphalt Paving Co., 306 Charles St., West Hoboken, 99%.

★**N. J., Trenton**—City let contract repaving Pennington and North Clinton Aves., to Ross & Whepan, Broad St. Bank, $75,172. Noted Aug. 11.

★**Pa., Phila.**—City let contracts paving Point Breeze Ave., to Lolove & Lewis, Real Estate Trust Bldg., $45,000; Germantown and Greys Ferry Aves., to Eastern Paving Co., Colonial Trust Bldg., $38,000 and $61,-315 respectively; Front St., to Ryan Constr. Co., Real Estate Trust Bldg., $65,000; 49th St., to Barber Asphalt Paving Co., Land Title Bldg., $73,324; Robbins St., to Curtiss Bros., Longshore Ave., $50,711; Nedro Ave., to A. Anderson, 25th and Kensington Aves., $6,231. Noted Aug. 4.

**Pa., Phila.**—City received bids Sept. 9, improving (1) City Line Ave., (2) Cobbs Creek Parkway, (3) 24th, Baltz, Harper, Perot and Taylor Sts., (4) Susquehanna Ave., Bellmore, Hancock, Norris, Okney and Orleans Sts., (5) Butler, Airdrie, Carey and Phillips Sts., (6) Hazzard, Huntingdon, and Smedley Sts., (7) 43rd and 68th Sts., (8) Oregon Ave., (9) 56th St., (10) 42nd and 50th Sts., (11) 25th and 22nd Sts., (12) 23rd and 27th Sts., (13) 17th St., (14) Greenwood Ave. and Marlborough St., (15) 6th St. from Wharton to South Sts., (16) 6th St. from Vine to South Sts., (17) 10th St., (18) Green and 2nd Sts., (19) Filbert and 20th Sts., (20) 9th and 23rd Sts., (21) Hicks, Mole and Ranstead Sts., (22) Frankford Ave., (23) Fisher Ave., (24) Beaumont and Litchfield Aves., (25) Saul and Pratt Sts., from

Union Paving Co., 37th and Spruce Sts., (1) $17,600, (2) $33,913, (3) $11,690, (4) $32,745, (5) $37,461, (6) $11,122, (7) $11,-792, (10) $19,372, (11) $34,173, (12) $37,-542, (13) $22,652, (16) $61,573, (17) $67,-872.

Barber Asphalt Paving Co., Land Title Bldg., (1) $18,990, (2) $38,743, (3) $12,-873, (4) $32,965, (5) $37,965, (6) $12,372, (7) $12,652, (8) $13,054, (9) $14,614.

Eastern Paving Co., Colonial Trust Bldg., (1) $19,743, (2) $36,527, (3) $13,562, (4) $31,000, (5) $35,894, (6) $12,162, (7) $11,-474, (8) $14,348, (9) $16,816, (10) $18,995, (11) $33,967, (14) $18,718.

F. T. Buckins, Kensington and Deal Sts., (10) $18,826, (11) $33,530, (14) $19,392, (18) $14,633.

Ryan Constr. Co., Real Estate Trust Bldg., (12) $36,000, (13) $20,088, (15) $36,-260, (16) $60,226, (17) $67,419, (18) $14,-807, (20) $13,651.

Mack Paving & Constr. Co., Nicetown Lane and C St., (12) $36,901.

Fish-Rutherford, Inc., Real Estate Trust Bldg., (15) $36,963, (16) $62,532, (17) $67,963, (19) $15,286, (20) $13,872, (21) $9,481, (22) $27,133.

United Paving Co., Real Estate Trust Bldg., (18) $14,394, (20) $12,158, (21) $10,-133.

McLaughlin & Flood, 81st and Suffolk Sts,. (22) $26,044.

Brown-King Constr. Co., Real Estate Trust Bldg., (22) $26,561.

J. J. McHugh, 1617 Race St., (23) $3,-956, (24) $753.

D. MacMahon, Germantown and Chelten Aves., (23) $7,178.

F. Mark Contg. Co., Commercial Trust Bldg., (23) $7,265.

T. P. Lee, 5629 Cherry St., (24) $996.

T. Connor, 3329 North 5th St., (25) $21,-215.

M. J. McMenamin, Commercial Trust Bldg., (25) $30,325. Noted Sept. 1.

★**Virginia**—State Highway Comn., Richmond, let contracts paving with waterbound macadam 4.42 mi. Project 135, Orange Co. and 7.9 mi. State Rd. 12 between Galax and Woodlawn, Project 123, Carroll Co., to C. S. Luck, 1212 Brook Ave., Richmond, $76,-000 and $150,000 respectively; 12.91 mi. State Rd. 12 between Jacksons Ferry and Hillsville, Project 111, Carroll Co., to Albert Bros., Shawsville, $160,000; 6.71 mi. State Rd. 22 between Salem and Catawba, Project 110, Roanoke Co., to Baughan & Draper, Roanoke, $64,000. Noted Aug. 18.

★**North Carolina**—State Highway Comn., Raleigh, let contract grading, shaping and paving with penetration macadam 3 mi. Summerville-Rockingham Rd., Guilford Co., to R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh. About $45,000.

★**North Carolina**—State Highway Dept., at div. office, Marion, let contract grading, draining and surfacing 4.97 mi. State Project 505, Mitchell Co., to Fiske-Carter Constr. Co., Greenville, $158,540, 7.2 mi. State Project 571, McDowell Co., to J. W. Stapp Constr. Co., Rome, Ga., $34,328; grading and topsoiling 6.55 mi. State Project 547, Rutherford Co., to Michanx Contg. Co., Albemarle, $31,000; clearing, grubbing, draining, grading and topsoiling 10.05 mi. State Project 572, McDowell Co., to L. J. Smith Constr. Co., Charlotte, $151,882; building bridges and culverts on State Project 572, McDowell Co., to W. F. Taylor Constr. Co., Wilsonville, Ala., $22,212. Noted Sept. 1.

★**N. C., Mebane**—City let contract paving various streets with sheet asphalt, to R. Lassiter Co., Oxford. About $150,000.

**Alabama** — State Highway Dept., Montgomery, received bids grading, draining and surfacing with gravel or sand-clay 11.008 mi. Butler-Meridian Rd. from Butler to Lisman, from J. R. and J. B. Miller, Baconton, Ga., $91,348; Gough, Pigford & Charles, Russell, Miss., $94,099; Moore, Hunt & Sellers, La Grange, Ga., $94,888. Noted Aug. 18.

★**O., Akron**—Dept. Pub. Serv. let contract to Columbus Asphalt Paving Co., 708 2nd Natl. Bldg., improving South Main St. from Crosier St. to south line Lot 14 Steiner allotment, involving 3.200 sq.yd., sheet asphalt (Texaco), etc., at $1.68 per sq.yd., total cost $19,341; to T. E. McShaffrey Constr. Co., Forge St., Sprankle Ave. from Pork Ave. to Crosier St., 1,000 sq.yd. sheet asphalt (Pl. B) Trinidad, $2.05, $5,975, also King St. from Power to Cross Sts., 1,390 sq.yd. standard brick pavement, etc., $2.05, $8,825; to Burk & Kalain, Whittier Ave. from Madison to Storer Sts., 900 cu.yd. cinders, etc., $0.80, $5,610.

★**O., Canton**—Stark Co. let contract paving 1.99 mi. Massillon-Millersburg Rd., involving 17,340 sq.yd. vitr. brick, 27,464 cu.-yd. earth excav. and 18,496 sq.yd. concrete base, to G. W. Hadley, Canton, $81,000; 1.4 mi. Osnaburg-Mapleton Rd., 13,553 sq.-yd. 3 in. bituminous asphalt macadam, etc., to Culbertson & Casper, 806-3rd St., S. W., $29,366; 0.95 mi. Brewster Village, 8,982 sq.yd. vitr. brick on concrete base, and 1,915 cu.yd. earth excav., etc., to Urban Bros., Massillon, $31,000.

**O., Cleveland**—Bd. Educ., East 6th St. and Rockwell Ave., received bids improving school grounds including 8,000 yd. grading, draining, brick and stone walks and retaining wall, etc., from G. E. Peterson Co., 18215 Euclid Ave., $65,230; C. N. Griffin, 5511 Euclid Ave., $66,000.

★**O., Cleveland**—City let contract grading, draining, curbing and paving Hyde Ave. and West 15th Pl., to Roehl Bros. Paving & Constr. Co., West 25th St. and Clark Ave., $25,412; paving East 73rd St. and Filo Ave., to Rieley Bros., The Arcade, $8,575 and $4,888 respectively; East 133rd and East 111th Sts., to Enterprise Paving & Constr. Co., 8444 Bway., $12,350 and $6,460 respectively; West 97th St., to Garland Bros. Co., c/o Pavers Exch., $7,340; Vineyard Ave., to J. C. Fischer, Lorain Rd., $17,470; resurfacing Superior Ave., asphalt, to Cleveland Trinidad Paving Co., The Arcade, $66,078. Noted Sept. 8.

★**O., Cleveland**—Cuyahoga Co. let contract grading, curbing and paving West Madison Ave., to Cleveland-Trinidad Paving Co., The Arcade, $305,900. Noted Sept. 8.

**O., Cleveland**—Cuyahoga Co. received bids improving various streets, involving 13,650 cu.yd. earth excav., 5,200 cu.yd. concrete, 4,550 cu.yd. concrete base and 30,000 sq.yd. waterbound macadam, etc., from Lake Erie Paving Co., Society for Savings Bldg., $100,-434; Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, $100,950.

★**O., East Cleveland** (Cleveland P. O.)—City let contract paving Elm Ave., to Gould & Maybeck, 823 East 150th St., Cleveland, $7,006; Belmar and Glenmont Aves., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $29,123. Work involves 7,500 sq.ft. vitr. brick, 1,800 sq.ft. asphalt and 2,100 cu.yd. excav.

★**Mich., Detroit**—City let contracts to Reading Corp., 413 West Fort St., paving Alley 1332, cost $4,619, Alley 1331, $4,206, Alley 1338, $2,977.

G. Nunn, 6409-3rd Ave., Alley 1323, $1,597, Alley 1326, $4,799, Alley 1329, $1,754, Alley 1333, $2,297, Alley 1335, $4,089, Alley 1336, $2,829, Alley 1339, $2,831.

F. Porath, Jr., 305 Free Press Bldg., Alley 1324, 1,308.

T. E. Currie, 20 McGraw Bldg., Alley 1325, $5,402, Alley 1328, $4,949.

A. F. Lester, 309 Sun Bldg., Alley 1327, $1,860, Alley 1330, $3,206, Alley 1334, $2,218.

DeLisle & Cooper, 402 Ford Bldg., Alley 1332, $3,515.

Otis Cement Constr. Co., 806 Hammond Bldg., Alley 1337, $4,120.

Detroit Asphalt Paving Co., 20 McGraw Bldg., Albert Ave., $11,955, Baker St., $13,-551, Canfield Ave., $28,637, Centerline Ave., $31,821, Dwight Ave., $2,332, Ferry Ave., $7,301, Gibson Ave., $10,954, Marcus Ave., $17,933, Dexter Ave., $90,420.

Cleveland Trinidad Paving Co., 402 Hammond Bldg., Linwood Ave., $22,272, Tyler Ave., $23,746, Waverly Ave., $23,386. Noted Sept. 8.

★**Mich., Detroit**—City let contract to Detroit Asphalt Paving Co., 20 McGraw Bldg., surfacing Palmer Ave., cost $9,150, Superior St., $5,124, Hale St., $9,150; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 12th St., $21,960. Noted Sept. 1.

★**Mich., Kalamazoo** — State Highway Dept. at office Bd. Rd. Comrs. Kalamazoo Co. let contract grading, draining and surfacing 0.644 mi. State Trunk Line Rd. 17-8, involving 4,269 cu.yd. excav., 7,360 sq.yd. concrete, to Meredith & McVaugh, Tecumseh, $26,014.

★**Ill., Lanark**—City let contract paving various streets, brick on concrete base, to Gund-Graham & Co., 304 Crum & Foster Bldg., Freeport, $25,375. Noted Aug. 11.

★**Ill., Pontiac**—Livingston Co. let contract paving various road, bituminous macadam on concrete base, to C. Upham, Odell. About $55,000.

★**Ill., West Frankfort**—City let contract paving various streets, brick and asphalt on concrete base, to Cole & Farber, Herrin. About $130,000. Noted Aug. 25.

★**Wis., Elkhorn**—City let contract paving, curbing, guttering and building sidewalks on 1.1 mi. Main St., 1 course rein.-con., to McGucken Constr. Co., 425 East Water St., Milwaukee. About $32,000.

★**Wis., Janesville**—City let contract paving, curbing, guttering and building sidewalks on 1 mi. Hickory and Glenn Sts., 1 course concrete, to J. Cape & Sons, 468 Water St., Racine, $29,519; 1½ mi. on Racine, Fremont, Clark and Blackhawk Sts., to Gund-Graham Co., Freeport, Ill., $45,-726. Noted Sept. 8.

**Wis., Sheboygan**—City received bid paving, curbing, guttering and building sidewalks on .7 mi. Michigan and 13th Sts., 2 course rein.-con., from F. Radloff, Main St., Plymouth, $26,185.

**Streets and Roads (Continued)**

★**Ia., Allison**—Butler Co., let contract grading and draining 11 mi. Primary Rd. Project 71, involving 110,132 cu.yd. earth and 2,134 cu.yd. loose rock excav., 83,927 lin.ft. 6 in. and 9,800 lin.ft. 8 in. tile, etc., to Littig Constr. Co., 50 First Natl. Bank Bldg., Davenport, $0.32 per cu.yd. for earth, $1.75 for loose rock and $2.50 for solid rock excav. Noted Aug. 25.

★**Ia., Waterloo** — Black Hawk Co. let following contracts grading and draining 7 mi. Primary Rd. Project 164, from Waterloo north, involving 63,893 cu.yd. excav. and 60,554 lin.ft. 6-8 in. tile; grading, to Phelan-Shirley Co., 306 South 24th St., Omaha, Neb., $19,250; furnishing tile, to Young Coal Co., 412 West 3d Ave., $3,483; bridges and culverts, to J. O. Parsons, Dyersville, $7,335.

★**Ia., Webster City**—Hamilton Co. let contract grading 12.049 mi. Primary Rd. Project 79 south of here, involving 98,292 cu.yd. excav., to J. A. Dunkel, Webster City, $0.29 per cu.yd.

★**Minn., Fairmont**—Martin Co. let contract gravel surfacing 10 mi. State Rd. 3 between here and North Martin Co. line, Federal Aid Project 72 and 196, to Glasco, Marion, Clements & Schottenbauer, Redwood Falls. About $25,000. Noted Aug. 11.

★**Minn., Minneapolis** — Hennepin Co. let contracts grading and graveling 10 mi. Cedar Ave. Rd. in Dakota Co., to S. J. Groves & Sons Co., 306 Globe Bldg., $67,971; paving with bitulithic 1.5 mi. Lyndale Ave Rd. in Dakota Co., to General Contg. Co., 1228 Plymouth Bldg., $88,479. Noted Aug. 18.

★**Minn., Preston**—City let contract paving 4 blocks, to E. A. Sweeney, Preston. About $29,000.

★**Kan., Hiawatha**—Brown Co. let contract grading and surfacing 6.801 mi. Sect. A, 18 ft. wide, bituminous macadam, Federal Aid Project 88, to Cook & O'Brien, Ry. Exch. Bldg., Kansas City, Mo. About $60,000. Noted Sept. 1.

★**Kan., Syracuse**—Hamilton Co. let contracts (a) grading, (b) draining, (c) building bridges on 5.67 mi. Old Santa Fe Trail, Sects. A and B, Federal Aid Project 77, to A. L. Cook, Ottawa, (a) $14,075; Ford & McCorwin, Syracuse, (b) $3,380; (c) $12,392. Noted July 7.

★**Kan., Wamego**—City let contract grading, paving, curbing and guttering 13,166 sq.yd. various streets and alleys, to M. R. Aumerman, Wichita, $48,270.

★**S. D., Rapid City**—City, J. H. Mathias, clk., let contract for 46,000 sq.yd. plain concrete pavement to Jensen Paving Co., Rapid City, $3.48 per sq.yd. Noted July 7.

**Montana**—State Highway Dept., Capitol, Helena, opened bids Aug. 31, paving 20 mi. Skalkaho Rd., Federal Aid Project 161, Ravalli Co., involving 32,000 cu.yd. earth, 55,000 intermed. and 85,000 cu.yd. rock excav., etc. from Applegate & Toole, Anaconda, $139,140; G. Smith & Co., 994 Henry Bldg., Seattle, Wash., $191,782.

★**Missouri**—State Highway Dept., Jefferson City, let contract building 3.63 mi. state road from Marshall eastward and westward, State Aid Project 20.63, Saline Co., to Diemer & Williamson Constr. Co., Brookfield, $11,995; 2.37 mi. state road from Archie northward, State Aid Project 20.62, Cass Co., to M. B. Mess, Nevada, Mo., $8,998; 0.62 mi. state road from Edinburg eastward, State Aid Project 20.53, Grundy Co., to G. E. Sampson, Pickett Rd., R F. D. 4, St. Joseph, $13,634; 3.76 mi. state road from Troy eastward and westward, State Aid Project 20.69, Lincoln Co., and 1.04 mi. state road from Hopewell northward, State Aid Project 20.66, Warren Co., to W. A. Ross, Kansas City, $19,348 and $17,485 respectively; 1.77 mi. state road from Richmond northward, State Aid Project 20.65, Ray Co., to Liberty Constr. Co., Kansas City, $22,806; 3.5 mi. state road north and south through Lincoln Co., State Aid Project 20.57, Lincoln Co., involving 23,817 cu.yd. earth excav., 4,009 cu.yd. borrow, 130.9 cu.yd. Class B and 19 cu.yd. Class C concrete masonry, etc., to J. P. Sparks, Washington, $19,572; 3.48 mi. state road from Perryville northeastward and southwestward, State Aid Project 20.67, Perry Co., to C. P. O'Reilley & Co., St. Louis, $18,039; 2.25 mi. state road from Jackson northward, State Aid Project 20.7, Cape Girardeau Co., to L. Penzel, Jackson, $9,093; 2.51 mi. Sedalia-Booneville Rd., State Aid Project 20.76, Cooper Co., to E. C. Johnson, Jefferson City, $10,313; 5.23 mi. state road from Hollans northeastward, State Aid Project 20.78, Pemiscot Co., to W. P. Robertson, Carruthersville, $11,059; 4.21 mi. state road from Lexington eastward and westward, State Aid Project 20.52, Lafayette Co., to A. Hood, Independence, $13,810. Noted June 2 and Aug. 4.

**Tex., Comanche**—Comanche Co. received bids grading, gravel surfacing and draining (1) 8.03 mi. State Highway 22, (2) 17.43 mi. State Highway 18, from Harris & Powell, Tyler, (1) $55,415; (2) $129,573; E. W. Moore Constr. Co. & E. Shelton, c/o E. W. Moore Constr. Co., Lufkin, (1) $57,477; W. P. McCoy & S. M. Bush, c/o W. P. McCoy, Arlington, (1) $60,796; L. M. Kirkes, c/o L. D. Parks, co. engr., De Leon, (2) $142,365; A. Murphy & G. B. Fisher, c/o G. B. Fisher, Blandlake, (2) $152,891. Noted Aug. 11.

**Tex., Quitman**—Wood Co. received bids gravel surfacing 14.5 mi. Jim Hogg Highway 37, from A. R. Oglesby, Cleburne, $29,099; W. P. McCoy, Arlington, $30,274; Boyd & Alvis, Winnsboro, $32,602. Noted Aug. 18.

**Colorado**—State Highway Dept., Denver, received bids grading and draining 5.5218 mi. Turkey Creek Canon Rd. between Morrison and Conifer, Federal Aid Project 136, from Peterson, Shirley & Gunther, 3205 Josephine St., Denver, $34,610; O'Dell Bros., Raton, N. M., $36,812; Monaghan & Cunningham, 1711 Market St., Denver, $37,812; paving 2½ mi. Lincoln Highway, southwest of Sterling, Federal Aid Project 142, concrete, from H. L. Scott, 327 North 3rd St., Sterling, $82,155; J. E. Young, 1267 South Race St., Denver, $83,639; Brodie & Anderson, 609 Inter State Trust Bldg., Denver, $84,473. Noted Sept. 1.

★**Col., Denver**—City let contract paving 22 blocks 7th Ave. Paving Dist., 30 ft. wide, asphalt, to Gibbons & Lawrence, 1690 Albion St., $40,337. Noted Aug. 25.

★**New Mexico** — State Highway Comm., Capitol Bldg., Santa Fe, let contracts, grading, surfacing, building culverts and bridges on 16.361 mi. Roswell-Dexter Rd., Federal Aid Project 48, Chaves Co., to Duvall, Johnston & Sappington, Roswell, $61,321; 11.592 mi. Colfax-Cimarron Rd., Federal Aid Project 1-D, Colfax Co., to Atlas Constr. Co., La Veta Col., and A. P. Atchinson, Raton, $35,866; 6.801 mi. Mescalero-Tularosa Rd., Federal Aid Project 40, Otero Co., to J. V. Stryker Constr. Co., Denver, Col., $45,776; 32.604 mi. Steins-Rodeo Rd., Federal Aid Project 54, Hidalgo Co., to O. C. McElrath Constr. Co., South Center St., Mesa, Ariz., $83,823; 4.343 mi. Hurley-Bayard Station Rd., Federal Aid Project 55, Grant Co., to J. V. Stryker Constr. Co., Denver, Col., $27,921; 20.871 mi. Tecolote-San Jose Rd., Federal Aid Project 60-B, San Miguel Co., to Peterson, Shirley & Gunther, 1102 Woodmen of World Bldg., Omaha, Neb., $121,064; 10.057 mi. Taos-Taos Jct., Federal Aid Project 67, Taos Co., to Morrison, Shectz & Morrison, Colorado Springs, Col., $57,669; grading and building culverts and bridges on 4.394 mi. Canjilon-Tierra Amarilla Rd., Navajo Canyon Forest Aid Co-operative Project, Rio Arriba Co., to French & Harvey, Santa Fe, $24,124. Noted Aug. 18.

★**Washington** — State Highway Comm., Olympia, let contracts clearing, grading, draining and surfacing with gravel or crushed rock, 10.2 mi. Sunset Highway between Coulee City and Hartline, Grant Co., to J. E. Edwards, Yakima, $38,997; 6 mi. Sunset Highway from Baird to Coulee, Douglas Co., to Root & Joslyn, Spokane, $69,757; clearing, grading, draining and surfacing with gravel 3.8 mi. State Rd. 4, from Republic west, Ferry Co., to Carlson & Norman, Yakima, $38,555; clearing, grading, draining and surfacing with crushed rock 8.6 mi. Inland Empire Highway between Asotin Co. line and Silcott, Asotin Co., to Pacific Coast Paving Co., Portland, $126,321; clearing, grading, draining and paving with concrete 8.3 mi. Pacific Highway from Kalama to Woodland, Cowlitz Co., to Coluccio & Erickson, Hinckley Bldg., Seattle, $325,516; grading, draining and paving with concrete 5.4 mi. Inland Empire Highway from Waitsburg south, Walla Walla Co., to Yakima Paving Co., Yakima, $179,013; surfacing with gravel or crushed rock 12 mi. Central Washington Highway from Lind to Franklin Co. line, Adams Co., to Carlson & Norman, Yakima, $40,320; constructing steel bridge over Bear River on Ocean Beach Highway, Pacific Co., to Bean Constr. Co., Mt. Vernon, $23,796. Noted Aug. 18.

★**Cal., Los Angeles**—City let contract grading, oiling and laying sidewalks, curbs and gutters, on Van Horne Ave., involving 104,396 sq.ft. grading and oiling, 463 sq.ft. asphalt and 271 sq.ft. concrete paving, 7,100 lin.ft. cement curbing, 14,767 sq.ft. concrete gutter, 28,402 sq.ft. cement sidewalk, to W. D. McCray, 424 Amer. Bank Bldg., $33,342.

★**Cal., Los Angeles** — City let contract paving and laying curbs and sidewalks on Western Ave. between Adams and Santa Barbara Sts., to G. H. Oswald, 366 East 58th St. $94,089. Noted Sept. 8.

★**Ont., Watford**—Town let contract paving 15,400 sq.yd. Main St., to Merlo, Merlo & Ray, Walkerville, $3.28 per sq.yd. Noted Aug. 4.

## Industrial Works

**PROPOSED WORK**

**Mass, Springfield** — W. J. Hyland Mfg. Co., 151 Dwight St., opens bids about Sept. 22, building 3 story, 50 x 90 ft. concrete brick and steel plant, rein.-con. flooring, on Liberty St. Private plans.

**Mass., Northampton**—F. C. McGrannis, Court St., plans to build 1 story, 100 x 125 ft., brick, concrete and steel garage and service station, on King and North St. Private plans.

**R. I., Providence**—C. S. Tanner Co., 246-256 South Water St., having plans prepared by W. R. Walker & Son, archts., 19 Weybosset St., for 2 story, 56 x 60 ft. brick factory. About $40,000.

**Pa., Hollidaysburg**—Blair Ice & Storage Co., recently organized with $100,000 capital stock, plans to purchase site and erect 4 story, brick, storage plant. G. B. Miller, 1112 Allegheny Ave., pres.

**Pa., New Brighton**—Wyckoff Drawn Steel Co., Frick Bldg., Pittsburgh, plans to build 1 story, 60 x 200 ft., brick and steel factory in Wyckoff, near here. About $75,000.

**Pa., Pittsburgh**—Air Reduction Co., 342 Madison Ave., New York City, having sketches made by Francisco & Jacobus, engrs. and archts., 511 5th Ave., New York City, for 2 story, brick, steel and stone plant on Ridge Ave., here. About $250,000.

**Pa., Williamsport**—C. A. Reed & Co., Laurel and Willow Sts., opens bids about Oct. 7, building 4 story, 70 x 180 ft. brick and steel factory on Chestnut St. About $100,000. Noted July 28.

**Md., Baltimore**—C. R. Bealmear, Title Bldg., plans to build 5 story, garage and service station on Linden and Monument Sts. Architect not selected.

**Md., Baltimore**—Lamm Bros., 401 North Gay St., having plans prepared by J. Freund, archt., 1307 Paul St., for 3 story, 75 x 105 ft., brick factory on Exeter St. near Gay St. About $65,000.

**D. C., Wash.**—Security Storage Co., 1140 15th St., N. W., opens bids about Sept. 17 constructing storage building at 1142 15th St., N. W. About $100,000. N. C. Wyeth, 1517 H St., N. W., archt.

**O., Cleveland**—Atwater Realty Co., 13807 St. Clair Ave., having plans prepared by A. F. Janowitz, archt., Permanent Bldg., constructing 2 story, 60 x 95 ft., brick and steel garage and commercial building, brick foundation, on Euclid Ave. and Van Buren Rd. About $40,000.

**Ill., Chicago**—Griswold & Walker, c/o A. S. Alschuler, archt., 28 East Jackson Blvd., plans to build warehouse, between Chicago, Burlington and Quincy R.R., Baltimore & Ohio R.R., Halsted St. and Newberry Ave. About $1,500,000.

**Ill., Chicago**—Interstate Garage Corp., 110 North Market St., having sketches made by L. E. Stanhope, archt., 59 East Madison St., for 10 story, 150 x 200 ft., garage, rein.-con., on Wabash Ave. and South Water St. About $225,000. H. D. Jackson, pres.

**Ill., Chicago**—Minchin & Spitz, archts., 19 West Jackson Blvd., preparing plans 10 story, 100 x 150 ft. warehouse, rein.-con. and brick, rein.-con. flooring, on North Shore Ave. north of River St. About $1,000,000. Owner's name withheld.

**Ill., Chicago**—Mothers Wet Wash Co., 6337 North Clark St., soon receives bids building 1 story, 60 x 125 ft. brick laundry, on Lawrence Ave. near Irving Ave. About $40,000. C. E. Pearson, 1930 North Keystone Ave., archt

**Ill., East St. Louis**—Southern Illinois Milk Producers Assn., Arcade Bldg., having plans prepared by R. G. Kirsch, archt., Magnolia and Thurman Sts., St. Louis, Mo., for 1 story, brick and steel factory. About $50,000.

**Ill., Harrisburg** — C. V. Parker & Co. plans to build 3 story warehouse, rein.-con. and brick. About $150,000. Architect not selected.

Industrial Works (Continued)

**Ill., Moline**—Moline Daily Dispatch, 1509 3rd Ave. A, having plans prepared by Clausen & Kruse, archts., Central Office Bldg., Davenport, Ia., for 2 story, 50 x 140 ft. publishing plant, brick and rein.-con. About $150,000.

**Wis., Maribel**—Maribel Strawcutter Co., c/o H. Elmer, had plans prepared for 1 and 2 story, 60 x 99 ft., rein.-con. and brick factory, rein.-con. flooring, brick foundation, on Main St. About $50,000. Private plans.

**Wis., Osseo**—C. A. Amundson plans to build 1 story, 68 x 118 ft., brick and concrete garage, rein.-con. flooring, plain foundation About $40,000. Architect not selected.

**Wis., Waukesha** — Manitowoc Church Furniture Co. having plans prepared for 1 story, 60 x 150 ft., brick, rein.-con. and steel factory, rein.-con. flooring, brick foundation, on Main St. About $60,000. C. F. Schultze, mgr. Private plans.

**Ia., Maquoketa**—Iowa Electric Light Co., Cedar Rapids, having plans prepared by Holland, Akerman & Holland, engrs., 106 Liberty St., Ann Arbor, Mich., for new hydro electric development plant, here. About $75,000.

**Mo., Kansas City**—Kelly Mill Co., Rochester and Park Sts., plans to build flour mill, steel and concrete. About $500,000. A. B. Kelly, pres. Architect's name withheld.

**Mo., Kansas City**—Perky Bros. Transfer & Storage Co., 2431 Prospect Ave., having plans prepared by C. B. Sloan, archt., 321 East 11th St., for 6 story, 60 x 110 ft. rein.-con. and brick warehouse, on Independence St. and Benton Ave. About $175,000. Noted Sept. 8.

**Mo., St. Louis**—Plymouth Garage Co., 5909 Plymouth St., having plans prepared by Wedemeyer & Nelson, archts., Wainwright Bldg., for 1 story, 80 x 175 ft. brick and steel garage, on Plymouth and Hamilton Sts. About $50,000. Noted Sept. 8.

**Okla., Oklahoma City**—Smith Baking Co., 437 West Park St., having plans prepared by P. H. Anthony, archt., Waldheim Bldg., Kansas City, for 2 story, 100 x 150 ft bakery, on 39th St. and Oklahoma Ave. About $150,000. Noted Sept. 8.

**Col., Denver**—Genl. Iron Wks. Co., 1720 California St., will probably receive bids in December constructing iron foundry, brick and steel, concrete foundation, on 33rd and Blake Sts. About $500,000.

**Col., Denver**—Super-Service Motor Assn., Colorado Bldg., having plans prepared by H. W. J. Edbrooke, archt., Tabor Opera House Bldg., for 3 story, 125 x 250 ft. motor repair plant, rein.-con., brick and terra cotta, on Speer Blvd., Bancock St. and West 7th Ave. About $300,000.

**Cal., Los Angeles**—See "Buildings."

**Ont., Leaside**—Durant Motors, Inc., Toronto, plans to build 3 story, 130 x 600 ft. concrete, brick and steel factory here. About $800,000.

**Ont., Toronto**—Automobile Serv. Syndicate, 21 Dundas St. E., having plans prepared by N. A. Armstrong Co., Ltd., archts., 7 King St. E., converting 3 story, concrete brick and steel building, on Dundas St., into garage. About $50,000.

### BIDS DESIRED

**Conn., Stamford**—G. A. Freeman, archt., 292 Main St., receiving bids building 2 story, 90 x 140 ft. brick and steel plant on Pacific St., here, for Monarch Mfg. Co., 718 Bway., New York City. Noted July 7.

**Ill., Chicago**—H. L. Newhouse, archt., 4630 Prairie Ave., receiving bids building 1 story, 100 x 180 ft. brick garage, 5018-24 Cottage Grove Ave., for H. Salvat, 5322 Harper Ave. About $50 000.

**Ont., Kingston**—Until Sept. 22, by Power, Son & Drever, archts., Merchants Bank Bldg., constructing 1 story, rein.-con., brick and steel power plant, for Kingston General Hospital, Stuart St., and Queens University, 207 William St., joint owners. About $75,000. Noted March 10.

**Ont., Windsor** — Colthurst, Trace & Nichols, archts., 16 Sandwich St. W., receiving bids building 2 story, 125 x 400 ft. cold storage plant, rein.-con., brick and steel, rein.-con. flooring,concrete foundation, for Essex Provision Co. Ltd., 1120 McDougal St. About $600,000. Noted Aug. 11.

### PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Me., Farmington**—Franklin Farm Products Co. let contract building 1 story, 30 x 100 ft. canning factory, brick and steel, to O. P. Stuart, Farmington.

★**Mass., East Boston**—B. M. Muller, 491 Saratoga St., let contract building 1 story, 100 x 125 ft. concrete, brick and steel garage and service station, rein.-con. flooring, plain foundation, to P. Rich, 67 Byron St., Boston. About $50,000.

★**Mass., Fall River**—Amer. Printing Co., 56 Water St., let contract altering and building several additions to factory, to McNally Constr. Co., 84 North Main St. About $40,000.

★**Mass., Roxbury**—J. Donnelly & Sons, 97 Warrenton St., let contract building 2 story, 60 x 125 ft. printing plant, concrete, brick and steel, rein.-con. flooring, on School St., to Kearns Constr. Co., 151 Milk St., Boston.

★**Mass., Springfield**—High St. Realty Trust Co., 480 Worthington St., let contract building 2 story, concrete, brick and steel garage and service station, rein.-con. flooring, plain foundation, to Radding Co., 158½ Main St. About $40,000.

★**Mass., Watertown**—C. H. Hodge, 45 Bates Rd., will build 1 story, 80 x 135 ft. brick and steel garage, rein.-con. flooring, on Salem St. Work will be done by day labor.

★**R. I., Providence**—**Sunshine Ice Cream** Co., 372 Cranston St., will build 2 story, 40 x 80 ft., brick and steel plant, on Cranston St. Work will be done by day labor. Noted June 9.

★**Conn., Norwalk**—S. Kantor, 65 Cross St., let contract building 1 and 2 story, 80 x 160 ft., brick and steel garage and service station, rein.-con. flooring, plain foundation, on Isaac St., to M. Mattiello, Forest St., New Canaan. About $40,000. Noted June 9.

★**N. Y., Amsterdam**—F. P. Sheldon & Son, archts. and engrs., Rhode Island Trust Bldg., Providence, R. I., let contract to Aberthaw Constr. Co., 27 School St., Boston, constructing 6 story, 56 x 60 ft., rein.-con. mill addition, rein.-con. flooring, plain foundation, here, for Mohawk Carpet Mills, Inc., 57 Lyons St. About $275,000. Noted July 28.

★**N. Y., Brooklyn**—S. Gasner & Sons Co., 1870 Pitkin Ave., let contrate building 1 story, 105 x 260 ft. rein.-con. and steel warehouse, rein.-con. flooring, concrete foundation, on Junius St. and Sutter Ave., to Turner Constr. Co., 244 Madison Ave., New York City. About $150,000.

★**N. Y., New York**—New York Steam Co., 280 Madison Ave., let contract building steam station, rein.-con. and steel, rein.-con. flooring, concrete foundation, on 59th St. and East River, to Stone & Webster, 120 Bway. About $400,000.

★**Pa., Phila.**—S. Wilensky, 826 Reed St., let contract building 1 story, 60 x 208 ft. rein.-con., brick and steel garage, rein.-con. flooring, concrete foundation, at 4028 Poplar St., to Gold & Goldman, 2028 South 5th St. About $50,000.

★**Pa., Sunbury**—Butter Krust Baking Co., c/o B. Apple, let contract building 2 story, 70 x 130 ft. bakery, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, at 249 Eckman Ave., to L. C. Shipe, Sunbury. About $150,000. Noted Aug. 19.

★**Md., Baltimore**—Cook Nuts Corp., Paca and Lexington Sts., let contract building 4 story, 56 x 104 ft., rein.-con. factory, on 1st and Toon Sts., to C. L. Stockhausen, Gay and Water Sts. About $85,000. Noted Apr. 21.

★**O., Cleveland**—H. E. Emmerman, Erie, Pa., let contract remodeling and building 1 story, 24 x 40 ft. brick and steel addition to garage, at 2007 Prospect Ave., here, to C. M. Griffin, 5511 Euclid Ave. About $40,000.

★**O., Cleveland**—J. L. Free, 1004 Prospect Ave., let contract building 1 story, 140 x 165 ft., brick, steel and concrete garage, rein.-con. flooring, brick and concrete foundation, on Bolivar Rd., to Austin Co., 16112 Euclid Ave. About $60,000.

★**Ill., Elmhurst**—Crefar Co., 144 York St., let contract building 1 story, 50 x 135 ft. garage, to W. Schultz, Elmhurst. About $55,000.

★**Ill., Herrin**—Illinois Central R.R., 135 East 11th St., Chicago, let contract building 1 story, 60 x 200 ft. brick and steel engine house and machine shop, here, to G. A. Johnson & Son, 1335 North Clark St., Chicago. About $60,000. Noted July 28.

★**Ill., Rock Island**—J. M. Schaab, 1601-4th Ave., let contract building 1 story, 62 x 150 ft. brick and steel garage, to J. M. Kaiser & Son, Rock Island. About $50,000. Noted Sept. 8.

★**Ia., Cedar Rapids**—Harper & McIntire Co., Ottumwa, let general contract building 4 story, 100 x 140 ft. warehouse, rein.-con., brick, tile and stone, on 6th Ave. and 4th St., to T. Stark & Co., 1103-1st Ave., W., $131,000. Total cost about $160,000. Noted Sept. 8.

★**Ia., Des Moines**—J. P. Condon and G. E. Davis, 3200 Ingersoll Ave., let contract building 2 story, 135 x 167 ft. garage, brick and steel, to W. Knudson & Sons, Flynn Bldg. About $60,000.

★**Ia., Oskaloosa**—R. F. Panders let contract building 2 story, cold storage plant, rein.-con. and brick, to McKee & Fanscher Co., 118-1st Ave. About $55,000.

★**Kan., Hutchinson** — Hutchinson Office Supply Printing Co. let contract constructing 2 story, 60 x 80 ft., brick and steel plant, to Stamey & Mackey Constr. Co., Hutchinson. About $60,000.

★**Kan., Kansas City**—Pennsylvania Tank Line Co. let contract constructing 1 story, 80 x 30 ft. and 80 x 200 ft. repair plant, steel, on 40th and Augusta Sts., to Kansas City Structural Steel Co., Orear Leslie Bldg., Kansas City. About $150,000.

★**Mo., St. Louis**—Standard Underground Cable Co., Westinghouse Bldg., Pittsburgh, Pa., let contract building 2 story, 300 x 525 ft. plant on Kingshighway and Slevin St., here, to Widmer Eng. Co., Syndicate Trust Bldg. About $1,000,000; cost plus percentage basis. Noted Sept. 8.

★**Mo., Trenton**—Chicago, Rock Island & Pacific R.R., 137 West Van Buren St., Chicago, will build 1 story, 87 x 400 ft. car repair shop, brick and steel, here. About $60,000. Work will be done by day labor. Noted June 2.

## Buildings

### PROPOSED WORK

**Me., Portland**—Convent and Home—St. Josephs Convent, 605 Stephens Ave., had plans prepared by O'Connell & Shaw, archts., 18 Boylston St., Boston, for 1 and 4 story, 40 x 150 ft., brick, steel and concrete addition. About $300,000.

**Mass., Greenfield**—Church, etc.—First Congregational Church, Nash Mills, having plans prepared by Richie, Parsons & Taylor, archts., 15 Ashburton Pl., Boston, building 1 story, 50 x 100 ft. church, 1 story, 40 x 40 ft. school, and 2 story, 40 x 90 ft. parish house, stone and stucco, on Wells and Silver Sts., here. About $150,000.

**Mass., Springfield**—Gymnasium—Y. M. C. A. College, 287 Hickory St., had plans prepared by H. L. Sprague, archt., 310 Main St., for 3 story, 40 x 70 ft., concrete, brick and steel, rein.-con. flooring, on South Field St. About $150,000. Noted June 3.

**Conn., Hartford**—Business—Estate of J. J. Goodwin, 36 Pearl St., having preliminary plans prepared by P. Goodwin, archt., 43 East 39th St., New York City, for 2 story, 110 x 110 ft. brick, on Haynes St. Noted Sept. 8.

**Conn., Waterbury**—Parish, House, Hall, etc.—St. John's Protestant Episcopal Parish, Church and West Main Sts., having plans prepared by R. H. Dana, archt., 101 Park Ave., New York City, for 3 story, 50 x 130 ft., stone, steel, brick and concrete, rein.-con. flooring, plain foundation, on Church St.

**N. Y., Brooklyn** — Home — Industrial Home for Blind, 512 Gates Ave., soon receives bids building 3 story, brick, steel and stone, concrete foundation, on Gates Ave. About $150,000. P. Tillion & Son, 101 Park Ave., New York City, archts. and engrs. Noted May 19.

**N. Y., New York**—Apartments—J. Golding, c/o Rouse & Goldstone, archts. and engrs., 512-5th Ave., had plans prepared for 2 brick, steel and stone, concrete foundations, on 90th St. and Bway. About $750,000 each.

**N. Y., New York**—Assembly and Class Rooms — Temple Israel, c/o Tachau & Vought, archts. and engrs., 109 Lexington Ave., having sketches made for 4 story, brick, steel and stone, concrete foundation, at 200 West 91st St. About $250,000.

**N. Y., New York** — Theatre—L. Weiss, 299 Bway., plans to build brick, steel and stone, concrete foundation, on Lenox Ave. between 139th and 140th Sts. About $500,000.

**N. Y., Olean**—Hospital—Olean Hospital Assn., c/o A. Bossom, archt. and engr., 680 5th Ave., New York City, soon receives bids building brick, steel and stone addition, concrete foundation, here. About $150,000.

**N. J., Atlantic City**—Hotel—Fitzgerald Hotel Co., 30 East Kentucky Ave., having preliminary plans prepared by McLanahan

**Buildings (Continued)**

& Bencker, archts., Bellevue Court Bldg., Phila., for 5 and 14 story, brick and steel, rein.-con. flooring, concrete foundation, on Indiana and Arctic Aves. About $500,000.

**N. J., Newark**—Y. M. H. A., c/o F. Grad, archt. and engr., 245 Springfield Ave., soon receives bids constructing 96 x 176 ft., brick, steel and stone building, concrete foundation, on High and West Kinney Sts. About $500,000. Noted June 30.

**N. J., Palmyra**—High School—Bd. Educ. soon receives bids building 2 story, on 5th St. and Delaware Ave. About $150,000. B. R. Stevens, 1727 Filbert St., Phila., archt. Noted May 26.

**Pa., Chester**—Apartment and Store—J. Faroman, archt., 114 West 18th St., preparing preliminary plans for 3 story, 40 x 120 ft. brick and timber. About $160,000. Owner's name withheld.

**Pa., Harrisburg**—City election Nov. 8 to vote on $2,000,000 bond issue; $1,750,000 to be used for high school on 6th and Division Sts., and $200,000 for 16 room grade school on 3rd and Reily Sts. Address School Dist., 121-123 Chestnut St. D. D. Hammelbaugh, secy.

**Pa., Tamaqua** — High School — School Dist. having plans prepared by B. R. Stevens, archt., 1727 Filbert St., Phila., for 2 story, on East Broad St. About $150,000.

**Pa., Williamsport** — Business — Spotts Bros. plans to build 3 story, 70 x 125 ft. on Market St. and Southern Ave. About $150,000.

**W. Va., Wheeling** — Hotel — Tri-State Hotel Co., plans to build 19 story. About $600,000. E. L. Waddell, Rumny Rd. Beach Glen, part owner. Architect not selected.

**N. C., Albemarle**—Courthouse—Stanly Co. plans to build courthouse and jail, on 1st and South Sts. About $200,000. R. G. Mabry, comr. Architect not selected.

**N. C., Rocky Mount**—School—Bd. Graded School Trustees having plans prepared by J. C. Stout, archt., Rocky Mount, for brick school. About $150,000. W. S. Wilkinson, chn.

**S. C., Columbia** — Apartment — Winva Realty & Trust Co., J. L. Denny and others, open bids about Sept. 20, building 5 and 6 story, concrete and steel. About $450,000. D. G. Zeigler & Co., 14 Kirkland Bldg., archts.

**La., New Orleans** — Bank — Federal Reserve Bank, Camp St., having plans prepared by R. DeBuys, archt., Camp and Commercial Alley, for 4 story, on Carondelet and Common Sts. About $250,000.

**Ky., Covington**—Exchange—H. Hake and C. Kuck, archts., Telephone Bldg., Cincinnati, O., opens bids about Oct. 15 building 2 story, 50 x 130 ft., brick and stone, rein.-con flooring, concrete foundation, on Scott St., here, for Cincinnati and Suburban Bell Telephone Co., 225 East 4th St., Cincinnati, O. About $200,000.

**O., Cleveland** — Commercial — Galvin Bros., 1200 West 9th St., plan to build 2 story, 60 x 200 ft., brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, on Euclid Ave. and East 69th St. About $150,000. Architect's name withheld.

**O., Cleveland**—Commercial and Apartment—M. Lees, 2099 Lamberton Rd., Cleveland Heights, plans to build 3 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, on Page Ave. near Euclid Ave., here. About $150,000. Private plans.

**O., Marion**—Hotel—Marion Hotel Co. having sketches made for Hotel Hardin, 8 story. About $600,000. W. H. Holverstatt, pres.

**O., Middletown**—Hotel—J. A. Aull, acting chn. Middletown Hotel Co., receives bids in about 7 weeks building 5 story, brick, concrete and steel, rein.-con. flooring, brick foundation. About $400,000. F. L. Packard, New Hayden Bldg., Columbus, archt.

**O., Pleasant Hill**—School—Newton Twp. School Dist. plans to build 3 story, 80 x 200 ft. brick and rein.-con., rein.-con. flooring, concrete foundation, on Main St. Bonds for $200,000 voted for project. W. F. Deeter, pres.

**O., Springfield**—Dormitory—Bd. Trustees Wittenberg College having plans prepared by G. L. Ohmart, archt., Springfield, for 3 story, 15 x 40 ft., brick and concrete, on campus. About $100,000. H. D. Smith, Town and High Sts., Columbus, consulting archt. Incorrectly noted Aug. 25.

**Ind., Bluffton**—High School—Bd. Educ. having plans prepared by O. Hoffman, archt., Studebaker Bldg., Decatur, Ill., for 2 story, 72 x 125 ft., brick, stone, rein.-con. and steel. About $150,000.

**Mich., Ann Arbor**—Dormitory—St. Mary's Chapel having plans prepared for 4 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Jefferson and Maynard Sts. About $250,000. Architect's name withheld.

**Mich., Detroit**—Bank—Detroit Savings Bank, State St., had plans prepared by R. Finn, archt., 2531 Woodward Ave., for 3 story, 26 x 161 ft. rein.-con., brick and steel, wood flooring, concrete foundation, on Woodward Ave. and Brady St. About $150,000.

**Mich., Detroit** — Theatre — Ferndale Amusement Co., c/o T. D. Williams, 7110 West Lafayette Ave., having plans prepared by Kohner & Seeler, archts., 1402 Kresge Bldg., for 2 story, 115 x 150 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Springwells Ave. and West Fort St. About $150,000.

**Ill., Aurora**—Temple—Aurora Lodge, A. F. & A. M., c/o E. M. Birch, 197 West Park St., plans to build 3 story, rein.-con., brick and stone. About $300,000. Architect not selected.

**Ill., Centralia**—Apartment—M. J. Hart and B. Gudder having plans prepared by Gill & Faith, archts., Murphysboro, for 2 story, brick, rein.-con. and stone. About $150,000. Noted Sept. 8.

**Ill., Champaign**—Hospital—Bd. Trustees, c/o F. Isner, chn., soon receives bids building 3 story, 102 x 109 ft., rein.-con., brick and stone addition to Burnham Hospital. About $200,000. Former contract rescinded. J. M. White, c/o University of Illinois, Champaign, archt. Noted Aug. 25.

**Ill., Chicago**—Bank and Office—W. G. Uffendel, archt., 32 South State St., soon receives bids building 2 story, 71 x 80 ft., rein.-con. and brick, on Roosevelt Rd. and Ashland Blvd., for West Side Natl. Bank. About $200,000. T. J. Healy, 1600 West Roosevelt Rd., pres.

**Ill., Chicago** — Office — A. S. Alschuler, archt., 28 East Jackson St., receiving bids building 7 story addition, rein.-con. and brick, rein.-con. flooring, 624 North Michigan Ave., for H. A. Blum, 624 North Michigan Ave. About $600,000.

**Ill., Chicago**—Temple—Hyde & Brown, archts., 8 South Dearborn St., soon receive bids building 4 story, 150 x 150 ft., brick and stone, on Argyle and Winthrop Aves., for Chicago Northern Masonic Temple, c/o Bldg. Comn., 626 South Clark St. About $200,000.

**Ill., Freeport**—Theatre—J. Dittman, 149 Carroll St., having plans prepared by C. W. and G. L. Rapp, archts., 190 North State St., Chicago, for 1 story, 90 x 140 ft., rein.-con., brick and terra cotta. About $150,000. Noted Sept. 8.

**Ill., Herrin**—Hospital—C. Baker plans to build 4 story, brick, rein.-con. and steel. About $300,000. Architect not selected.

**Ill., Moline**—Office, etc.—Carlson Bros., 417 15th St., having plans prepared by Whitsitt & Schulizke, archts., People's Bank Bldg., for 3 story, 40 x 150 ft. office and warehouse, rein.-con. and brick. About $150,000. Noted Sept. 8.

**Ill., Mooseheart**—Hotel and Office—Loyal Order of Moose, c/o P. H. Brandon, having sketches made by Graham, Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, for 3 story, brick and stucco. About $200,000.

**Ill., Oak Park**—Club—Oak Park Club Bldg. Comn. having sketches made by Holabird & Roche, archts., 104 South Michigan Ave., Chicago, for club house on Ontario St. and Oak Park Ave. About $300,000. E. J. Pullock, chn.

**Ill., Rock Island**—College—Augustana College, 38th St., having plans prepared by Cervin & Horn, archts., 310 Safety Bldg., for brick, stone, rein.-con. and steel college, including seminary building, science hall, boys and girls dormitories. About $400,000. G. A. Anderson, pres. Noted Sept. 8.

**Wis., Manitowoc**—Clubhouse and Theatre—Manitowoc Aerie of Eagles, c/o J. Koutnik, 1114 South Main St., soon lets contract building 4 story, 100 x 115 ft. rein.-con., steel, brick and tile, brick foundation, on Main St. About $250,000. W. J. Roeuber, Manitowoc, archt. Noted June 9.

**Wis., Manitowoc**—High School—City, c/o F. L. Alter, City Hall, having revised plans prepared by Perkins, Fellows & Hamilton, archts., 814 Tower St., Chicago, and receives bids in October building 4 story, 210 x 360 ft., rein.-con., steel and brick, rein.-con. flooring, brick foundation. About $1,400,000.

**Wis., Oshkosh**—Clubhouse—Knights of Columbus, Council 614, 20 Washington St., plans to build 3 story, 60 x 210 ft., rein.-con., steel and brick, brick foundation. About $150,000. Architect not selected.

**Wis., Reedsville**—Club House—J. Gosz Amer. Legion, c/o E. C. Cary, commander, having plans prepared by Juul & Smith, archts., Imig. Bldg., Sheboygan, for 2 story, 70 x 100 ft., rein.-con., brick and tile, brick foundation, on Main St. About $150,000.

**Ia., Clear Lake**—Club—Knights of Pythias plan to build club house, here. About $200,000.

**Ia., Davenport**—College—St. Ambrose College, 518 West Locust St., having plans prepared by A. Ebeling, archt., Kahl Bldg., for 4 story, brick, rein.-con. and stone. About $150,000. J. P. Stahl, secy.

**Ia., Des Moines**—Church—Congregation of Brai Jacob Synagogue, c/o H. Finkelberg, pres., 301 West Walnut St., having plans prepared by R. G. McDowell, archt., 207 Iowa Bldg., for 3 story, 78 x 93 ft., brick, stone and rein.-con., on 5th and University Sts. About $150,000.

**Ia., Waterloo**—Temple—A. F. & A. M., c/o J. G. Bolston having plans prepared by M. B. Cleveland and H. Purr, archts., Waterloo, building 3 story, 120 x 141 ft. rein.-con., brick, stone and steel. About $300,000.

**Minn., Minneapolis**—Bank—Federal Reserve Bank, New York Life Bldg., had plans prepared by C. Gilbert, archt., 244 Madison Ave., New York City, for 5 story, brick, steel and stone concrete pile foundation, on Marquette Ave. About $750,000. C. Aus, 244 Madison Ave., New York City, engr. Noted June 9.

**S. D., Fairmont**—Church—Roman Catholic congregation having plans prepared by Sliffer & Abrahamson, archts., Endicott Bldg., St. Paul, Minn., for 2 story, 50 x 100 ft., brick, stone and steel. About $150,000.

**N. D., Fargo**—School and Apartment—Fargo School of Business, c/o O. J. Hansen, 124 Roberts St., having plans prepared by Magney & Tusler, archts., Builders Exch., Minneapolis, Minn., for 5 story, 50 x 140 ft., rein.-con., brick, stone and steel, on 4th Ave. and North Roberts St. About $200,000.

**Mont., Bozeman**—Biology and Gymnasium—State Bd. Educ. receives bids in December constructing 5 story, 67 x 129 ft. biology building and 4 story, 98 x 162 ft. gymnasium, rein.-con. and brick, at State College of Agricultural and Mechanical Arts, here. About $150,000 and $225,000 respectively. Shanley & Baker, Great Falls, archts. Noted June 30.

**Mo., Chillicothe**—City Hall—City plans to build 2 story, brick and stone, rein.-con. or steel frame. About $150,000. F. W. Ashby, mayor. Architect not selected.

**Mo., St. Louis**—Store and Office—Grand & Washington Real Estate Co., c/o J. C. Campbell, 107 North 7th St., plans to build 5 story, brick and stone trim, rein.-con. or steel frame, on Grand and Washington Sts. About $270,000. Architect not selected.

**Okla., Tusla**—Temple—Akdar Temple, c/o Puckey & Jenkins, archts., 6 North Michigan Ave., Chicago, having plans prepared for 3 story, brick. About $250,000. Noted Aug. 4.

**Utah, Salt Lake City**—Club—B. P. O. E. Lodge 85, South State St., opens bids in about 60 days building 5 story, 83 x 147 ft., rein.-con. and brick, on East South Temple St. About $300,000. Scott & Welch, Dooly Bldg., archts. Noted Dec. 16.

**Wash., Spokane**—Nurses Home—Sacred Heart Hospital, 8th and Brown Sts., having plans prepared by A. Held, Archt., Realty Bldg., for 7 story, 40 x 138 ft., rein.-con. and steel. About $240,000.

**Cal., Los Angeles**—Museum—Bd. Supervs. Los Angeles Co. having plans prepared by W. Davidson, archt. and engr., Hall of Records, for 1 and 2 story, 100 x 175 ft., brick and concrete addition in Exposition Park. About $150,000.

**Cal., Los Angeles**—Office, etc.—Union Pacific R.R., Pacific Electric Bldg., having plans prepared for 2 story, 80 x 200 ft. office and 1 story, 50 x 600 ft. freight house, rein.-con., on Hunter St. About $250,000. Private plans.

**Ont., Ottawa**—Collegiate—Ottawa Collegiate Bd., 7 Monkland Ave., having plans prepared by J. A. Ewart, archt., Jackson Bldg., for 3 story, 30 room, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 1st Ave. About $700,000.

Buildings (Continued)

**Ont., Toronto**—School—Bd. Educ. soon receives new bids building Riverdale Technical School, 3 story, 40 room, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $800,000. W. W. Pearse, 155 College St., archt.

**BIDS DESIRED**

**R. I., Cranston**—Hospital—Until Sept. 22, by Penal & Charitable Comn., Providence, constructing two 3 story, brick and concrete ward buildings, rein.-con. flooring, at State Infirmary, here. About $300,000. G. F Hall, 806 Union Trust Bldg., Providence archt.

**Conn., Hamden**—School—Until Sept. 19, by A. W. Deane, town clk., building 2 story, 10 room school on Pine St., and 2 story, 8 room school on Woodruff St., brick and steel, plain foundations. About $160,000. Brown & Von Beren, 185 Church St., New Haven, archts. Noted July 14.

**N. Y., New York**—School—Until Sept. 21, by C. B. J. Snyder, supt. School Buildings of Bd. Educ., Municipal Bldg., constructing P. S. 189, on Amsterdam Ave. between West 188th and 189th Sts. Noted April 28.

**N. J., Camden**—School—Until Sept. 24, by Bd. Educ., c/o E. E. Reed, City Hall, building 2 story, 107 x 207 ft., brick, stone and tile, rock foundation, at North Cramer Hill. About $200,000. C. S. Adams, 2038 Spruce St., Phila., archt.

**Pa., Cresson**—Playhouse—Until Sept. 26, by E. Martin, health comr., Harrisburg, building 1 story 88 x 106 ft., concrete and stone, also rein.-con. tunnel, 80 ft. long, 8 ft. 8 in. wide. W. G. Myton, 1204 First Natl. Bank Bldg., Johnstown, archt.

**Pa., Mahanoy City**—Bank—Until Sept. 20, (change of date) by B. R. Stevens, archt., 1727 Filbert St., Phila., building 1 story, 25 x 125 ft. concrete, brick and steel, rein.-con. flooring, concrete foundation, on Center and East Main Sts., for Union Natl. Bank. About $150,000. Noted Aug. 18.

**Pa., Phila.**—Church—Maginnis & Walsh, archts., 100 Boylston St., Boston, Mass., receiving bids building 1 story, brick, steel and stone on Kensington St., here, for Holy Name of Jesus Church, Bess and Gaul Sts. About $250,000.

**La., Pineville**—Dining Hall, Dormitory, etc.—Until Oct. 4, by Bd. Administrators, Louisiana Hospital for Insane, constructing dining hall and 3 dormitory buildings here. About $500,000. J. W. Smith, Monroe, archt.

**Tenn., Memphis**—Club—Until Sept. 30, by Rogan & Weller and J. H. Kramer, associated archts., Bank of Commerce Bldg., constructing 6 story, rein.-con. and tile on Adams and 3rd Sts., for Catholic Club Building Assn. About $500,000.

**Ill., Champaign**—Store and Apartment—Until Sept. 20, by H. Nash, Trevett-Mattis Bank Bldg., constructing 3 story. About $150,000. G. Ramey, Robeson Bldg., archt.

**Ill., Chicago** — Apartment — Dubin & Eisenberg, archts., 14 West Washington St., receiving bids building 3 story, 150 x 160 ft., concrete, brick and stone, on Sheridan Rd. and Birchwood Ave., for Smith & Dubin, c/o architects. About $300,000. Noted Apr. 28.

**Ill., Chicago**—Office—P. Gerhardt, archt., 64 West Randolph St., receiving bids building 10 story, 90 x 104 ft., rein.-con., brick and steel, rein.-con. flooring, on Milwaukee and North Aves. About $500,000. Lieberman, Klein & Hein, 190 North State St., engrs. Owner's name withheld.

**Okla., Sulphur**—Hospital—Until Sept. 20, by Soldiers Relief Comn., c/o H. B. Bell, chn., Ardmore, and C. P. Nieder, archt., Empress Theatre, Oklahoma City, building 2 story, rein.-con., steel and brick, rein.-con. flooring, brick and rock foundation, here. About $150,000. Noted Sept. 8.

**Ont., Hamilton**—Nurses Home—Until Sept. 24, by Stevens & Lee, archts., 62 Charles St. E., Toronto, building 3 story, 40 x 180 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, for St. Joseph's Hospital, 316 John St. S. About $175,000.

**B. C., Victoria**—Hospital—Until Sept. 24, by Trustees Royal Jubilee Hospital, building 4 story, rein.-con., brick and tile, on hospital grounds. About $300,000. P. L. James, 321 Saywood Bldg., archt. Noted June 23.

**PRICES AND CONTRACTS AWARDED**

**(★Indicates award of contract)**

**★Me., Portland — School — School Bldg. Com.** let contract altering North School and building 3 story, 52 x 125 ft., brick and steel addition., rein.-con. flooring, on Congress St., to Blackstone & Smith, 187 Middle St. About $150,000.

**★Mass., Dedham**—School—School Comrs. let contract building 2 story, 70 x 140 ft., brick and steel, rein.-con. flooring, plain foundation, on High St., to J. J. Powers Co., 33 Myrtle St., Cambridge. About $150,000. Noted June 16.

**★Mass., Lawrence**—School—Holy Trinity Church, Harvard St., let contract building 3 story, 70 x 100 ft., brick and steel addition, to J. Cyr, 86 Beacon St. About $150,000.

**★Mass., Methuen**—School—School Comn. let contract building 3 story, 60 x 140 ft. with 45 x 60 ft. ell, brick and steel, rein.-con. flooring, plain foundation, on Orchard St., here, to W. N. Pike & Son, 264 Essex St., Lawrence. About $225,000.

**★Mass., Norwood**—High School—School Dept. let contract building 2 story, brick and steel addition, rein.-con. flooring, plain foundation, to F. M. Douglass, Norwood. About $150,000.

**★Mass., Pittsfield — Theatre — Majestic** Theatre Corp., Mills Blk., let contract remodeling 3 story, brick, steel and concrete, rein.-con. flooring, on North St., to Jardine Co., 507 5th Ave., New York City. About $200,000. Noted June 9.

**★Mass., Worcester — Dormitory — Holy** Cross College, College St., let contract building 4 story, 108 x 113 ft. concrete, brick and steel, rein.-con. flooring, on Campus, to McDermott Bros., 18 Cedar St. About $300,000. Noted June 30.

**★Mass., Wrentham**—Assembly Hall, etc. —Mental Diseases Comn., 109 State House, Boston, let contract constructing 2 story, 52 x 146 ft. and 33 x 106 ft., industrial building and assembly hall, brick and concrete, rein.-con. flooring, plain foundations, at State School, here, to P. H. Provencal Co., 127 Worth St., Ware. About 150,000. Noted Aug. 11.

**★Conn., New London**—Business—F. H. and A. H. Chappell Co., 286 Bank St., let contract remodeling 4 story, 78 x 100 ft., brick and concrete, rein.-con. flooring, on Bank St., to Occiallini & Mondelci, 210 Shaw St. About $150,000. Noted July 28.

**★N. Y. Brooklyn**—Apartment — Kaplowitz & Stein, c/o Cohn Bros., archts. and engrs., 361 Stone Ave., will build 4 story, brick, steel and stone, concrete foundation, on Ditmas Ave. About $150,000. Work will be done by day labor.

**N. Y., Brooklyn**—Bath—E. Riegelmann, boro pres., Boro Hall, opened bids Sept. 7, building public bath, on Metropolitan and Bedford Aves., from Nugent Constr. Co., 505-5th Ave., New York City, $167,875; G. Colon & Co., 81 East 125th St., New York City, $196,623; G. F. Driscoll Co., 115 Schermerhorn St., $178,800. Noted Sept. 1.

**★N. Y., Coney Island**—Bath House—E. Riegelmann, pres. Brooklyn Boro, Boro Hall, let contract building addition to bath house on Concourse Dr. and 5th St., here, to Turner Constr. Co., 244 Madison Ave., New York City, $189,900. Noted Sept. 8.

**★N. Y., New York**—Apartment—Absar Realty Co., c/o C. Kreymborg, archt. and engr., 2534 Marion Ave., will build three 5 story, brick, steel and stone, concrete foundations, on Grand Concourse, Bronx. About $200,000 each. Work will be done by day labor.

**★N. Y., New York**—Apartments—Bway.-Isham St. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., will build two 5 story, brick, steel and stone, concrete foundations, on Isham St. near Bway. About $200,000 each. Work will be done by day labor.

**★N. Y., New York**—Apartment—Skandia Bldg. Co., Inc., c/o Moore & Landseidel, archts. and engrs., 148th St. and 3d Ave., will building 5 story, 90 x 95 ft., brick, steel and stone, concrete foundation, on Grand Concourse, Bronx. About $150,000. Work will be done by day labor.

**★N. Y., New York**—Theatre—Tyrol Realty Corp., c/o Shape, Bready & Peterkin, archts. and engrs., 220 West 42nd St., let contract building brick, steel and stone, concrete foundation, on Melrose Ave. and 152nd St., Bronx, to Smith & Stone, 25 West 42nd St. About $150,000.

**N. Y., Perrysburg**—Hospital — Commission of Parks & Buildings, Municipal Bldg., Buffalo, opened bids Sept. 6, constructing additions to present buildings also various new buildings, here, from J. W. Cowper Co., Fidelity Bldg., Buffalo, $689,000; C. H. Everitt, 295 Auburn Ave., Buffalo, $698,000; Harding & Crea, White Bldg., Buffalo, $704,000. Noted Aug. 25.

**★N. J., Princeton — Apartment — Bd.** Trustees Princeton University let contract building 3 story, 35 x 170 ft., brick, steel and concrete addition, rein.-con. flooring, plain foundation, on campus, to Matthews Constr. Co., Alexander St. About $325,000.

**★Pa., Phila**—Office and Store—Churchman, Paul & Ford, archts., 1404 Walnut St., let contract building 12 story, 200 x 200 ft. rein.-con., brick and steel, rein.-con. flooring, rock foundation, on 16th and Locust Sts., to Essick Constr. Co., 4345 Arch St. About $1,000,000. Owner's name withheld.

**★Pa., Phila.**—University—Trustees Temple University, Broad and Berks Sts., let contract building 6 story, 100 x 150 ft., rein.-con., brick and steel, rein.-con. flooring, rock foundation, on Broad and Montgomery Sts., to Ketcham & McQuade, 1029 Brown St. About $740,000. Noted Aug. 11.

**★Pa., Sunbury**—Church—Zion Lutheran Church, c/o C. R. Boyer, 29 South 5th St., let contract building 1 story, 67 x 118 ft. concrete and steel, rein.-con. flooring, on 5th and Market Sts., to Standard Constr. Co., 1713 Sansom St., Phila. About $250,000.

**★D. C., Wash**—Church—All Souls Church, 1748 Lamont St., N. W., let contract building church, to Boyle Robertson Constr Co., Evans Bldg. About $400,000. Noted May 5.

**★N. C., Raleigh** — Agricultural — W. C. Riddick, pres. State College of Agriculture and Eng., let contract building 3 story, 61 x 184 ft., rein.-con., brick, limestone and terra cotta, on campus here, to C. V. York Constr. Co., Citizens Bank Bldg. About $195,000. Noted Sept. 1.

**★Miss., Columbus** — Dormitory, etc. — Mississippi Bond Impvt. Comn., Jackson, let contracts constructing dormitory and academic building at State College for Women, here, to T. S. Moudy & Co., Chattanooga, Tenn., $128,256 and $71,604 respectively; teacher's home, to I. C. Garber, Jackson, $57,329.

**★O., Alliance**—Club and Office—Eagles Home, 239 Main St., let contract building 5 story, brick and stone, rein.-con. flooring, on Main St., to A. F. Wendling Co., Alliance. About $150,000. Noted Aug. 11.

**★O., Ravenna**—High School—Bd. Educ. let contract building 2 story, 110 x 225 ft., brick and concrete, to Watts-Suhribler Co., 1235 Miani St., Toledo, $359,809. Noted Aug. 4.

**★Mich., Detroit**—Apartment and Store—Vinton Co., 1102 Vinton Bldg., let contract building 3 story, rein.-con., brick and steel, on West Grand Blvd. and Linwood Ave., to Martin & Krausmann Co., 606 Woodward Ave. About $200,000. Noted Feb. 3.

**★Mich., Detroit**—School—Bd. Educ. let contract building 2 story, rein. con., brick and steel, rein.-con. flooring, concrete foundation, on West Grand Blvd. and Moore Pl., to M. A. Mahoney, 400 Penobscot Bldg., $134,094. Noted Sept. 8.

**★Mich., Detroit** — Theatre — Cinderella Theatre Co., c/o C. W. Brandt, archt., 1114 Kresge Bldg., let steel contract for 2 story, 90 x 175 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Jefferson and Coplin Aves., to Lewis-Hall Iron Wks., Ferry Ave. and Grand Trunk Ry. tracks. Total cost $200,000.

**★Ill., Bloomington**—Gymnasium—Illinois Wesleyan University let contract building 2 story, brick and steel, to Building Service Co., Bloomington. About $165,000. Noted Sept. 1.

**★Ill., Chicago** — Apartment — Plotke & Grosby, 2532 North Clark St., let contract building 3 story, 110 x 120 ft., brick, concrete and stone, Stratford Pl. and Bway., to Barrett Constr. Co., 77 East Washington St. About $150,000.

**★Ill., Chicago**—Apartment—C. Poch, 4918 Hermitage Ave., let contract building 3 story, 100 x 150 ft., concrete, brick and stone, at 6341 Magnolia Ave., to W. Yeschek & Co., 3559 Lawrence Ave. About $175,000.

**★Ill., Chicago**—Hotel—Briar Bldg. Corp., 130 North Wells St., let contract building 9 story, 122 x 125 ft., concrete, brick and stone, at 532-40 Briar Pl., to H. C. Jensen, 4948 North Hamlin Ave. About $1,500,000.

**★Ill., Chicago**—Office and Studio—North Michigan Bldg. Corp., 65 East Huron St., let following contracts building 7 story, 44 x 102 ft., rein.-con. and brick, rein.-con. flooring, at 27-29 East Superior St., general contract, to B. W. Constr. Co., 10 South La Salle St.; heating and plumbing, T. J. Douglas & Co., 441 North Dearborn St.; electrical work, to Dearborn Electric Co., 27 West Kinzie St. About $400,000.

**★Ill., Chicago**—School—Bd. Educ., 648 South Clark St., let contract building 3 story, brick, rein.-con. and tile, on Marshfield Ave. and Jonquill Terrace, to C. J. Forsberg, 650 South Clark St. About $270,000.

Buildings (Continued)

★**Ill., Newton**—High School—Bd. Educ. let contract building 2 story, 78 x 125 ft., rein.-con. and brick, to A. E. Krauel, Danville. About $150,000. Noted Aug. 25.

★**Wis., Milwaukee**—High School—School Bd. let contracts completing Bay View High School, carpentry and concrete work, to Jahns & Knuth, 1915 Chestnut St., $79,500 and $25,700 respectively; steam heating and mechanical ventilating, to Zuehlke-Stoehr Heating Co., 236 24th St., $63,493.

★**Minn., Mankato**—High School—Bd. Educ. let general contract building 3 story, 168 x 224 ft. rein.-con., brick, tile and stone, to E. A. Carlson, Mankato. $225,133. Noted Aug. 18.

★**Mo., Kansas City**—Hotel—Brostrom & Drotts, archts., Reliance Bldg., let contract to Mosby-Goodrich Constr. Co., 904 New York St., building 11 story, 26 x 96 ft., rein.-con., brick and stone, at 15 East 29th St., for W. E. Eysell, 15th and West 10th Sts. About $400,000. Noted Aug. 11.

★**Tex., Gainesville**—High School—City let contract constructing 4 story, 192 x 200 ft., brick, concrete and steel, to J. E. Johnson Constr. Co., Waco, $162,500. Noted July 7.

★**Wash., Seattle** — Office — Metropolitan Bldg. Co., Henry Bldg., let contract building 5 story, concrete, steel and terra cotta addition to Cobb Bldg. on 4th and University Sts., to Grant, Smith & Co., Henry Bldg. About $200,000.

★**Cal., Los Angeles**—Loft—W. W. Paden and associates, 427 Story Bldg., let contract building 10 story, 54 x 130 ft., rein.-con., steel and brick, on 7th and Bexel Sts., to H. Leonardt, H. W. Hellman Bldg. About $280,000.

★**Ont., Toronto** — Office — Toronto Hydro Electric Comn., Hydro Bldg., and Toronto Transportation Comn., Ryrie Bldg., let contract converting 4 story, concrete, brick and steel building on Yonge and Front Sts., into office, to Carswell Constr. Co., Ltd., 58 Wellington St. E. About $160,000.

# Federal Government Work

### BIDS DESIRED

**Md., Annapolis**—Boiler Plant Improvements—Spec. 4500—Until Sept. 28, by the Bureau of Yards & Docks, Navy Dept., Wash., D. C., improving boiler plant here.

**D. C., Wash.**—Dispensary—Spec. 4486—Until Sept. 28, by Bureau Yards & Docks, Navy Dept., Wash., D. C., constructing at Navy Yard, here. Noted Aug. 25.

**D. C., Washington**—Entrances—Until Sept. 30, by Treas. Dept., constructing entrances from west court into northwest and north central elevator lobbies, Interior Dept. offices, here. J. A. Wetmore, acting superv. archt.

**Fla., Key West**—Refrigerating Plant—Until Oct. 4, by Treas. Dept., Wash., D. C., Installing in U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.

**Ky., Dawson Springs** — Refrigerating Plant—Until Sept. 21, by Treas. Dept., Wash., D. C., constructing in mess hall and kitchen building, at U. S. Public Health Service Sanatorium, here. J. A. Wetmore acting superv. archt.

**Ill., Rock Island**—Lock Gates and Valves—Until Sept. 30, at U. S. Engineer Office furnishing for Rock Island Rapids, Le Claire Canal Lock, here; advertised in this issue.

**Mo., Springfield**—Alterations to Post Office, etc.—Until Oct. 6, by Treas. Dept., Wash., D. C., altering U. S. Post Office and Court House, here. J. A. Wetmore, acting superv. archt.; advertised in this issue.

### PRICES AND CONTRACTS AWARDED

(★Indicates Contract Awarded)

★**Mass., Boston**—Mechanical Equipment—Spec. 4495—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract installing mechanical equipment, piping and alterations to boiler plant, Navy Yard, here, to W. G. Cornell Co., 923-12th St., N. W., Wash., D. C., $98,115 (180 days). Noted Sept. 1.

**R. I., Newport**—Refrigerating Equipment—Spec. 4499—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids installing in Naval Station Hospital, here, from York Mfg. Co., York Va., $5,385 (60 days); J. Mansville, Inc., Madison Ave. and 41st St., New York City, $5,979 (60 days); Amer. Carbolic Machine Co., Wisconsin Rapids, Wis., $6,100 (60 days). Noted Aug. 25.

★**N. Y., New York**—Dredging—Spec. 4505—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract dredging in Harbor, here, to F. E. Jones Dredging Co., Main and Atlantic Sts., Norfolk, Va., $0.1987 per cu.yd. (90 days). Noted Sept. 8.

★**Pa., Phila.**—Dredging—U. S. Engineer, 815 Witherspoon Bldg., let contract dredging in lower De aware River, Liston Lighthouse Range, to Amer. Dredging Co., 410 Mariner & Merchant Bldg., $387,354. Noted Sept. 1.

**Pa., Phila.**—Dredging—U. S. Engineer, Room 815, Witherspoon Bldg., received bids dredging and rock removal in Schuylkill River, here, (a) Sect. 4, involving (1) 3,170 cu.yd. ledge rock, (2) 4,000 cu.yd. other material, (b) Sect. 5, involving (1) 5,060 cu.yd. ledge rock, (2) 2,300 cu.yd. other material, (c) Dists. 4 and 5 combined, from Arundel Corp., 2 Pratt St., Baltimore, Md., (a1) $17.50 place measurement, (a2) $0.94 scow measurement, (b1) $16.50 (b2) $0.94 (c1) $16.50 (c2) $0.94; Great Lakes Dredge & Dock Co., 17 Battery Pl., New York City, (a1) $40.33 (a2) $0.50 (b1) $31.60 (b2) $0.50 (c1) $27.95 (c2) $0.50; Canal Constr. Co., North Amer. Bldg., (a1) $17.30 (a2) $1.94 (b1) $18.20 (b2) $1.94 (c1) $16.60 (c2) $1.94; P. Sanford Ross, Inc., 277 Washington St., Jersey City, N. J., (c1) $14.89 (c2) $0.40. Noted Aug. 11.

**Pa., Pittsburgh**—Barges—U. S. Engineer received bids furnishing and delivering 3 steel deck barges, from Dravo Contg. Co., Diamond Bank Bldg., $40,275; Riter Conley Steel Co., Oliver Bldg., $41,361; Amer. Bridge Co., Frick Bldg., $41,625. Noted Aug. 11.

★**Md., Annapolis**—Ash Bunker, Power House Extension, etc.—Spec. 4487—Bureau Yards and Docks, Navy Dept., Wash., D. C., let contract building ash bunker at Naval Academy, here, power house extension, electric lighting system, and coal bunker at Naval Hospital Reservation, here, to D. M. Andrew Co., Sisson and 26th Sts., Baltimore, $24,000 (120 days). Noted Sept. 8.

**Va., Norfolk**—Heating System, etc.—Spec. 4512—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids altering and building additions to underground heating and drainage systems, here, from H. E. Crook, 28 Light St., Baltimore, Md., $22,750 time as specified; O. Daschiell & Co., 507 South St., Portsmouth, Va., $23,955 (90 days); Noland-Clifford Co., 320-3rd St., Newport News, Va., $26,985 (90 days). Noted Sept. 1.

★**Va., Norfolk**—Quay Wall—Spec. 4491—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing section, at Navy Yard, here, to Raymond Concrete Pile Co., 140 Cedar St., New York City, $130,900 (210 days). Noted Sept. 8.

★**Tenn., Memphis**—Revetment—U. S. Engineer let contract constructing at Augusta Narrows, White River, Arkansas, to Miller-Butlerworth Co., South Trust Bldg., Little Rock, Ark., $11,016.

★**Ill., Chicago**—Reservoir—Treas. Dept. Wash., D. C., let contract constructing complete (except mechanical equipment), at Broadview Hospital 2, here, to J. J. Croake Co., 2927 Fullerton Ave., $26,777 (90 days). Noted Sept. 8.

★**Mich., Detroit**—Dredging—U. S. Engineer, 337 Federal Bldg., let contract dredging in West Neebish Channel, St. Marys River, here, to Duluth-Superior Dredging Co., foot of 45th Ave., West Duluth, Minn., $43,080. Noted Sept. 1.

**Mich., Detroit**—Dredging—U. S. Engineer, 337 Federal Bldg., received bids dredging in St. Clair Flats Canal channels, involving 51,000 cu.yd. sand, silt and clay, with possible overdepth of 61,000 cu.yd., from Greilling Bros., 906 McDonald St., Green Bay, Wis., $0.228 per cu.yd.; J. Rooney, 103 Chamber of Commerce Bldg., Toledo, O., $0.29; Great Lakes Dredge & Dock Co., Williamson Bldg., Cleveland, O., $0.44. Noted Aug. 4.

**Cal., Mare Island** — Riprapping Dike — Spec. 4390—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids riprapping Dike 12, Navy Yard, here, from (1) work complete, from Healy & Tibbits Constr. Co., 9 Main St., San Francisco, (1) $0.64 (250 days), (2) $0.57 (250 days), (3) $35; Utah Constr. Co., 824 Felon Bldg., San Francisco, (1) $0.75 (250 days), (2) $0.73 (250 days), (3) $30; Shaddock Constr. Co., 525 Market St., San Francisco, (1) $0.78 (250 days, (2) $0.68 (250 days), (3) $15. Noted Aug. 11.

**Cal., San Diego**—Dredging and Filling, etc.—Spec. 4485—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids dredging and filling, repairing base, Navy Yard, here, from San Francisco Bridge Co., 14 Montgomery St., San Francisco, $0.2015 (200 days); United Dredging Co., 3910 Woolworth Bldg., New York City, $0.213. Noted Aug. 11.

**Cal., San Diego**—Quay Wall Extension—Spec. 4484—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids constructing at Naval base, here, (1) work complete, from San Francisco Bridge Co., 14 Montgomery St., San Francisco, (1) $139,000 (180 days), (2) $30, (3) $0.22; Healy-Tibbits Constr. Co., 9 Main St., San Francisco, (1) $135,800 (150 days), (2) $35, (3) $1 deduct $0.25; Hennah Bros., 142 Samson St., San Francisco, (1) $154,000 (150 days), (2) add $40 deduct $23, add $70 deduct $45, (3) add $1.13 deduct $0.65, add $1.75 deduct $1.12. Noted Aug. 11.

# Miscellaneous

### PROPOSED WORK

**Tunnel—Cresson, Pa.**—See "Buildings."

**Incinerator — East Moline, Ill.** — City plans to build incinerator. About $30,000. R. E. Smeary, East Moline.

**Transmission Line—Manchester, Okla.**—City election Sept. 23 to vote on $27,000 bonds to build transmission line from here to Anthony, Kan. W. B. Rollins, Ry. Exch. Bldg., Kansas City, Mo., engr.

**Hydro-Electric System—Dresden, Ont.**—Camden Twp. plans to build hydro-electric system. E. R. Fowler, 190 University Ave., Toronto, engr.

**Harbor Improvements—Victoria, B. C.**—Dominion Government, Ottawa, plans to improve Victoria Harbor, involving removal of rocks and dredging. About $80,000.

### BIDS DESIRED

**Incinerator—Brooklyn, N. Y.**—Until Sept. 21, by Dept. Pub. Welfare, Municipal Bldg., New York City, building garbage incinerator at Kings Co. Hospital, here. B. S. Coler, comr.

**Steam Rollers, etc.—New Orleans, La.**—A. Murphy, comr. Finance Dept., receiving bids furnishing one 10 ton steam roller, 2 power scarifiers and 2 road graders.

**Dragline Machine — Greenville, Miss.** — Until Oct. 4, by Bd. Drainage Comrs. Washington Co., furnishing dragline machine. O. C. Kulicka, secy. and treas.; advertised in this issue.

**Tunnel—Seattle, Wash.**—Until Sept. 30, by Pub. Wks., building tunnel for Gorge Creek plant of Skagit River development, 1,100 ft. long, involving 4,820 cu.yd. open cut excav., 282 lin.ft. tunnel construction, 272 lin.ft. temporary water tunnel, 10,978 cu.yd. excav. for main tunnel, 10,978 lin.ft. concrete lining for main tunnel, 10,830 cu. yd. excav. for surge tank and riser, 1,060 cu.yd. concrete lining for tank and riser, 930 lin.ft. concrete lining for penstock connections and bulkheads 2,300 cu.yd. excav. for permanent intake, 235 cu.yd. concrete lining for permanent intake, 75,000 ft. timber lining for temporary and construction tunnels, etc. About $2,000,000. C. F. Uhden, 314 29th St., engr.

### PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**Coal Plant, etc.—Quincy, Mass.**—City Fuel Co., 18 Post Office Sq., Boston, let contract rebuilding coal plant, here, also building wharf on Quincy Point, to J. H. Proctor & Co., Old South Bldg., Boston Cost between $90,000 and $100,000.

★**Heating and Ventilating Apparatus, etc.—Newtown** (Flushing P. O.) **N. Y.**—R. W. Rodman, supt. Plant Operation of School Bldgs. of Bd. Educ., Municipal Bldg., New York City, let contract installing heating and ventilating apparatus in Newton High School, on Etna Pl., Gerry Ave., Chicago and Parcell Sts., here, to Gillis & Geoghegan, 537 West Bway., New York City, $89,434; temperature regulation apparatus, to Bishop & Babcock, 376 Lafayette St., New York City, $6,500. Noted Sept. 8.

★**Grain Elevator—Baltimore, Md.**—Western, Maryland R.R. Terminal Co., Charles and Saratoga Sts., let general contract building grain elevator, 1,000,000 bushel capacity, to J. Stewart & Co., 30 Church St., New York City; piling and foundations, to A. Miller, Dundalk. Noted Aug. 11.

**Garbage Collection Trailer System—New Orleans, La.**—City let contract furnishing 48 four wheel trailers and 96 removable containers, to Greenlaw Truck & Tractor Co., 1525 Canal St., $33,840 and $14,800 respectively; locomotive crane, to McMyler Interstate Co., Stop 27, A. B. & C. Electric Ry., Cleveland, O., $12,975. Noted Aug. 18.

★**Coal Handling Plant—Sarnia, Ont.**—Imperial Oil Co., 115 Mitton Ave. N., let contract building coal handling plant on River St. Clair, to Sarnia Bridge Co., 176 North St. About $50,000.